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[1845]

WELLCOME HIST. MED. MUSEUM



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FLORA

OF

TUNBRIDGE WELLS.



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PHÆNOGAMOUS PLANTS,

Figured round from left to right, beginning with Cyclamen hederifolium, which forms the centre of the group.

Cyclamen hederifolium Habenaria albida Campanula hederaeea Viola laetea Saxifraga granulata Gentiana Pneumonanthe

Dentaria bulbifera Phyteuma spicatum Convallaria majalis Malaxis paludosa Myosotis palustris Anagallis tenella.





A

FLORA

oF

TUNBRIDGE WELLS,

BEING A LIST OF

INDIGENOUS PLANTS

WITHIN A RADIUS OF FIFTEEN MILES AROUND THAT PLACE,

BY

EDWARD JENNER, A.L.S.

"Arise,

To trace the woods, the vales, where thousand dyes

The ground adorn."

PICKERING.

TUNBRIDGE WELLS:
PRINTED AND PUBLISHED BY J. COLBRAN.

LONDON:

D. BOUGE, FLEET STREET,

AND

HARVEY AND DARTON, 55, GRACECHURCH STREET.



EDWARD FORSTER, ESQ., V.P.L.S.

SURVIVING BROTHER OF THE AUTHOR

OF THE

FLORA TONBRIDGENSIS,

THIS

LIST OF PLANTS

IS INSCRIBED,

AS AN HUMBLE TRIBUTE OF ESTEEM

AND GRATITUDE,

BY

THE AUTHOR.



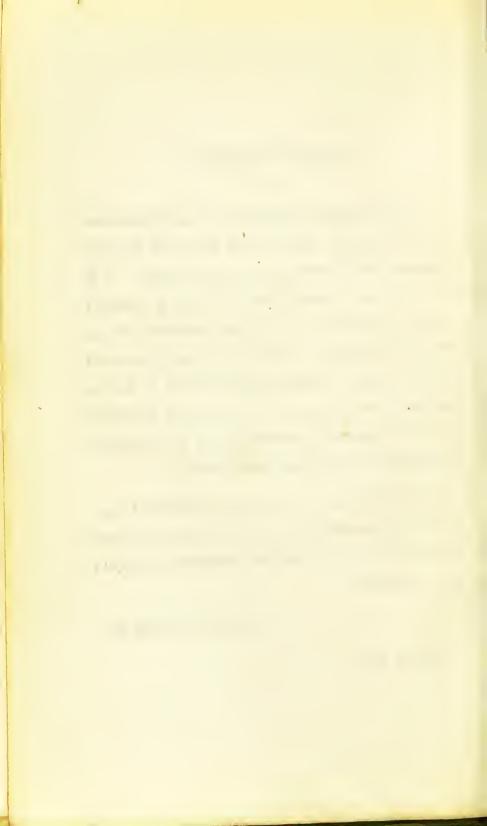
ADVERTISEMENT.

The Publisher apologises to his Subscribers for the delay that has attended this work through the press, which arose from various causes. It is now however, offered to the public as a carefully arranged Catalogue of the many rare and curious Wild Plants with which the neighbourhood abounds; and it would be injustice not to notice the zeal of the Author, Mr. E. Jenner, to render the Flora pleasingly acceptable as a companion and guide to the Botanist and Visitor.

The Publisher also begs respectfully to acknowledge his obligations to the Subscribers, and trusts that the work will be considered worthy of their confidence.

JOHN COLBRAN.

Tunbridge Wells.



INTRODUCTION.

In preparing, at the request of the Publisher, the list of plants now offered to the public, I have not the presumption to suppose that it presents a perfect catalogue of the vegetable productions of the district over which it extends. I have indeed good reason to believe that much remains to reward further investigation, for I have scarcely ever visited the neighbourhood, since I began to collect materials for this publication, without adding something to my previous list.

It has been my aim to offer to the visitor of Tunbridge Wells, and to those who have a taste for botany, a volume not too large to be made a pocket companion. The Flora of the vicinity of the Wells is so rich, varied, and extensive, that persons gifted with such a taste can never want a strong

attraction in their walks or drives besides that which is offered by the beauty of its woods, rocks, and forests.

The localities of the rarer plants are given. I trust, with sufficient distinctness for the botanist: but at the same time I have wished to avoid being so particular as to lead directly to them the merely curious or selfish collector, from whose visits some of the most interesting productions of the neighbourhood have already become scarce, if they have not been entirely eradicated. The remarkable little moss, Diphyscium foliosum, formerly found at Harrison's Rocks, was supposed to be entirely lost until I rediscovered it, in 1839, at Eridge. The beautiful Hymenophyllum, named from its occurrence here, is still found, although much more sparingly than of old, on most of our sand rocks. The Asplenium lanceolatum may also be seen, though now very rarely, on the rocks; and the beautiful Gentiana Pneumonanthe, and the rare and curious Malaxis paludosa, in their season, still occur in the forests. I have not been so fortunate as to meet with all of the plants enumerated

in the Flora Tonbridgensis of the late Mr. T. F. Forster, but I have had the pleasure of finding several of those which were supposed to have been included by mistake, and it may be reasonably hoped that others may yet reoccur. An asterisk is prefixed to the name of species inserted on the sole authority of the Flora Tonbridgensis, and the habitat included between brackets, except among the Agarics, which are borrowed almost entirely from that work.

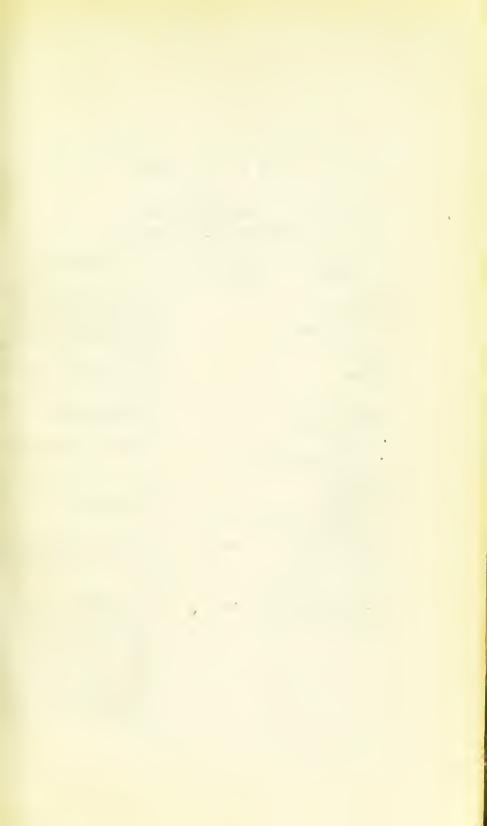
The form adopted presents at one view, the name of the plant, a reference to the figure in English Botany, or in some other work of authority, to which I had access, the time of flowering and the locality, giving of common plants merely the usual place of growth, and of those of less frequent occurrence one or more habitats, according to their rareness or interest. The nomenclature and general arrangement are those of Sir W. J. Hooker, in the 4th edition of his widely circulated British Flora, except in some Cryptogamic Orders. In the Algæ, in particular, I have adopted the arrangement of two gentlemen who have

made them peculiarly their study, Mr. Ralfs and Mr. Hassall, and to them I have to profess my deep obligation for their assistance. I have carefully acknowledged the aid of other friends under the species regarding which they have respectively supplied information; but I must not omit peculiar thanks to Mr. Borrer and Mr. Woods, without whose encouragement and general assistance I should have scarcely undertaken the work; to Mr. R. Scott for his assistance as to the plants of the chalk district, and to Mr. Baxter, of the botanic garden at Oxford, for the pains which he took in superintending the execution of the plates.

E. JENNER.

SUPPLEMENT.





SUPPLEMENT.

ADDITIONAL PLANTS

Discovered during the printing of this list.

Genera and Species.

Nat. Order. Time of Mat.

June.

English Name, Localities, as other remarks.

ALLIUM oleraceum

Hypericum dubium

CAREX montana

> elongata (Eng. Bot. 19. 20.)

Weissia lanceolata (Musc. Brit. t. 14. Grimmia, Eng. Bot. 1408.)

CINCLIDOTUS
riparius
ß terrestris
(Bryol. Eur. Ripariaceæ, t, 2.)
ORTHOTRICHUM

Sprucii, Montagne
Stramineum, Hornsch.

BRYUM atropurpureum May. (Weis. & Mohr.)

Between the Swiss Cottage and Fis er's Castle. Mr. Sharp.

In a meadow on the left side of troad to Eridge. Mr. Borrer. (Prbably H. maculatum, Bab. Man.)

Borders of fields by the road between Tunbridge Wells and Eridge. All W. Mitten.

Near Tunbridge, by the Medway an neighbouring ditches.

Near Maidstone, on a wall betwee the bridge and the Bower Gate.

Posts, &c. within the reach of floc at Tunbridge.

On old posts, &c. within the reach floods at Etchingham & Tunbrid

On beech trees in Knole Park, Sevoaks.

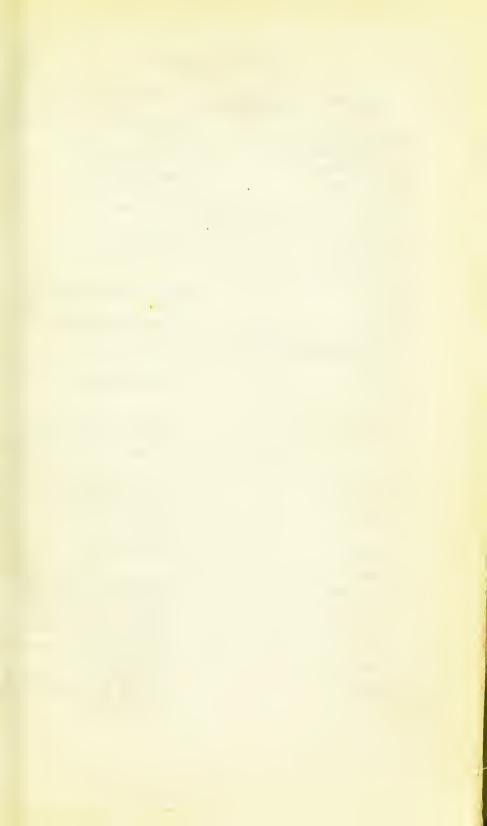
Eridge, Tunbridge, and elsewhen of uncommon.—A variety of traordinary size, with elong capsules, on a wall at "Lightlaw in the parish of Wadhurst, M 1844. It differs from the ordin state of Bryum adropurpureun its large size, (not at all inferiothe average of Br. cæspiticium, the long neck of the capsule, in the fragile and, occasiona imperfectly formed inner pe

tome.



ADDITIONAL PLANTS.

Genera and Nat. Order. English Name, Localities, and Species. Time of Mat. other remarks. inclinatum May. Ashdown Forest. (Bruch, and Schim.) May, June. On walls, rocks, &c. at Tunbridge Wells; Heathfield; Brightling, and (Bruch, and Schim.) elsewhere. HYPNUM cœspitosum About the roots of trees, &c. within (Eng. Bot. Supt. 2878.) the reach of floods at Tunbridge, DRAPARNALDIA tenuis Between Pembury and Tunbridge; Hawkhurst Moor; Goudhurst, &c. ZYGNEMA insigne, Hass. MS. May. In a pond about 11 miles from Wadhurst, on the left of the road towards Frant, May, 1845. OSCILLATORIA virescens, Hass. MS. On a bank between Riverhead and Chipstead. contexta On sand rocks on Tunbridge Wells Common, &c. terebriformis, Hass. MS. Tunbridge Wells and elsewhere, on the ground, &c. SPIRILLUM Jenneri, Hass. MS. In the pond on the Down, and in a. ditch at Tunbridge. Nostoc foliaceum Westerham. HÆMATOCOCCUS On the "Sweep's Rock" on Tunarenarius, Hass. MS. bridge Wells Common. furfuraceus On rocks at Fisher's Castle. On sand rocks at Uckfield Lake. microsporus, Hass. MS. COLEOCHÆTA On the leaves of Poa fluitans in the scutata pond at Ramslye. STAURASTRUM Piltdown Common, &c. mamillosum, Ralfs MS. COSMARIUM Ashdown Forest. cylindricum, Ralfs (Ralfs Ann. vol. 14. p. 392, t. 11, fig. 1.) CLOSTERIUM Framfield Common. Ehrenbergii, Mgh. (Mgh. Synop. Des. in Linn. 1840. p. 232. Cl. Lunula, Ehr. Infus. t.5.f.15.n.2.) Rusthall Common, and in the pond Leibleinii, Kütz. (Kütz. Synop. Diat. in Linn. 1833. f. 79. Mgh. Syn. Des. in between Ramslye and Broadwater Forest, Framfield, &c. Linn, 1810. p. 232.)



Genera and Species.

Nat. Order. Time of Flow. English Name, Localities, and other remarks.

Dianæ, Ehrenb. (Ehr. Infus. t. 5. f. 17. Clost. arcuatum, Breb.) Between Ramslye and Broadwater Forest.

Baillyanum, Breb. sulcatum, Breb.

Waterdown Forest, &c. Waterdown Forest.

PEDIASTRUM

hexactis (Micrasterias, Ehr. Infus. t. 11. f. 3 b.) Ashdown Forest.

Scenedesmus

obtusus, Meyen. (Ralfs Ann. vol. 15. p. 404. t. 12. f. 8.) Ashdown Forest.

PEZIZA

stercorea

On cow dung, not unfrequent.

BULGARIA

inquinans (Peziza polymorpha, Sow. t. 428. Trem. turbinata, Fl. Ton. p. 165.) On old stumps and pollards of Ash, oak, and beech trees, &c.

NIDULARIA striata

Puccinea graminis

β Arundinis

On an old stump of a tree at Hamsel. Mr. W. W. Reeves.

By the stream between Eridge and

Dengate. Mr. W. W. Reeves.
On Primula vulgaris, Eridge Park.

Primulæ

Compositarum

variabilis

On Centaurea nigra, Homewood, near Tunbridge Wells.

On Leontodon Taraxacum, frequent: about Tunbridge Wells. Mr. W. W. Reeves.

Violarum

ÆCIDIUM

Valerianaccarum

Saniculæ, MS.

On Viola canina, on Frant Forest. Mr. W. W. Reeves.

On Valeriana dioica, between Rusthall Common and Speldhurst.

Eridge Park. This interesting addition to the British Flora was discovered by Mr. W. W. Reeves, a most indefatigable botanist.

Periclymeni

Epilobii

On the Honeysuckle, frequent about Tunbridge Wells.

On Epilobium montanum, in the Twenty Acre Wood. Mr. W. W. Reeves. Not unfrequent on Epilobium hirsutum.



UREDO

ADDITIONAL PLANTS.

Genera and Species.

Crassum

On Rhamnus catharticum, Hever Mr. W. W. Reeves. Tunbridge, &c.

On Orobis tuberosus, Homewood near Tunbridge Wells. Mr. W. W. Reeves.

Urticæ On Urtica dioica, by the river a Hever. M. W. Reeves.

apiculosum On Hieracia, in Hurst Wood. Lini On Linum catharticum, frequent.

ADDITIONAL HABITATS.

Page
5 Iris fœtidissima
4 Dipsacus pilosus

4 Rhamnus catharticus 8 Ægopodium Podagraria

4 Narcissus biflorus 8 Rumex palustris

0 Polygonum Bistorta 6 Inula Helenium

2 Malaxis paludosa

08 Aspidium recurvum 16 Gymnostomum ovatum

24 Tortula latifolia

54 Endocarpon Hedwigii

88 Oscillatoria nigra

96 Closterium acerosum rostratum

50 Æcidium laceratum

In a meadow between Bidborough and Penshurst.

In a lane between Southborough and Vauxhall. Mr. J. Sharp.

Hever. Mr. W. W. Reeves. About Tunbridge, &c.

Southborough. Mr. J. Sharp. Pembury; several places about Tunbridge Wells, and elsewhere, particularly by gardens.

In a meadow at Groombridge. Yalding, Tudely, &c., plentiful.

Bayham; Coombe Bank; Brasted, &c.

Mayfield. Wm. Borrer, Esq.

In a boggy spot, not far from Eridge Rocks, (Phytol. ii. 43.) Messrs. Woodward and Sharp.

Rocks at Fisher's Castle.

By the park pales at Teston, plentiful, Mar., 1844.

One plant in fruit on an old bridge between Tunbridge and the Powder Mills, May, 1844.

On the bank by the roadside between Frant and Bellsewe Green, abundant, March, 1845. Mr. W. W. Reeves.

Sevenoaks, November, 1844, abundant.

Waterdown Forest, and Uckfield.

Rusthall Common; Hurstwood, &c.

Eridge. E. J. At Tunbridge. Mr. W. W. Reeves.

ERRATA.

Besides the following errata considerable care has not availed to prevent sometypographical errors of minor importance, for which I have to beg the indulgence of my readers.

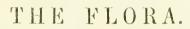
011	ily readers.
Dan	a line
Pag	
4	18, for Graminæ, read Gramineæ.
22	3, to Primula elatior, the figure in Eng. Bot. is crroneously quoted: the
	Essex plant there represented has not been observed in our district,
	but only the varying forms between P. vulgaris and P. veris, sup-
	posed by some to be hybrid.
36	
	8, for Juneus uliginosus, read Juneus supinus, Bab.
38	19, for Psendo plantanus, read Pseudo platanus.
40	5, for Ornigrarieæ, read Onagrarieæ.
	12, I believe E. palustre is E. virgatum, Bab. Man. where the true E. palus-
	tre is regarded as distinct.
58	6, for fluviatilis, read fluitans.
60	19, for Chamæpitys, read Chamæpitys.
70	6, for Sinapsis, read Sinapsis.
84	27, for Eigeron, read Enigeron.
90	13, mueifera, read muscifera.
94	11, for diocia, read dioica.
	21, for Goodenooii, read Goodenovii.
98	13, for Sagitaria, read Sagittaria.
100	Alnus glutinosa is inadvertently introduced here a second time.
104	13, for Smilaceæ, read Dioscoreæ.
112	Equisetum fluviatile. This plant ought to bear the name of limo-
112	
	sum, it being certainly E. limosum, LINN, whilst it is still doubt-
	ful, after all that has been written about it, whether E. fluviatile,
	LINN. may not be distinct.
	Note, for F. Taylor, read T. Taylor.
126	18 instead of Bryum graeile, read Orthodontium gracile, (Brueh. & Sehim.)
130	Omitted, between Leucodon sciuroides and Neekera pumila, Div. 27
	Diploperistomi.
138	to 148, instead of Musci for the heading, read HEPATICE.
140	7, for Fagetella, read Fegetella.
	Note, for O. eevasi, read O. Cerasi.
158	13, for quadricola, read quadricolor.
163	13, for was, read were.
	15, for proves, read prove.
164	2, for is, read are.
168	4, for Westathly, read Westhoathly.
172	22, for Calicicium, read Calicium.
184	23, for Turner's Mill, read Turner's Hill.
192	10, instead of Schistochilum, read Sphærozosma.
196	5, Add to Cosmarium Cueurbita, Breb. (Ralfs Ann. vol.14.p.395.t.11.f.10.)
130	14 instead of Cleaterium waterium (Phy Inf t 6 f 10) read Cleaterium
	14, instead of Closterium rostratum, (Ehr. 1nf. t. 6. f. 10.) read Closterium
	Ralfsii, Breb. M.S.
	15, instead of Closterium Acus, read C. rostratum, (Ehrenb. Inf. t. 6. f. 10.
	Clost. Aeus, Kütz. Synop. Diat. f. 81.)
222	3. for micacens, read mieaeeus.
242	Omitted before Reticularia * * Myxogastres.
	18, for smothers, read smother.
	29, Add the name Lycoperdonoides to Agaricus in the references to Sow
044	t. 383,
244	15, for Berberides, read Berberidis.
	27, for Dermatici, read Dematici.

PHÆNOGAMOUS

OR

FLOWERING PLANTS.





PHÆNOGAMOUS, OR FLOWERING PLANTS.

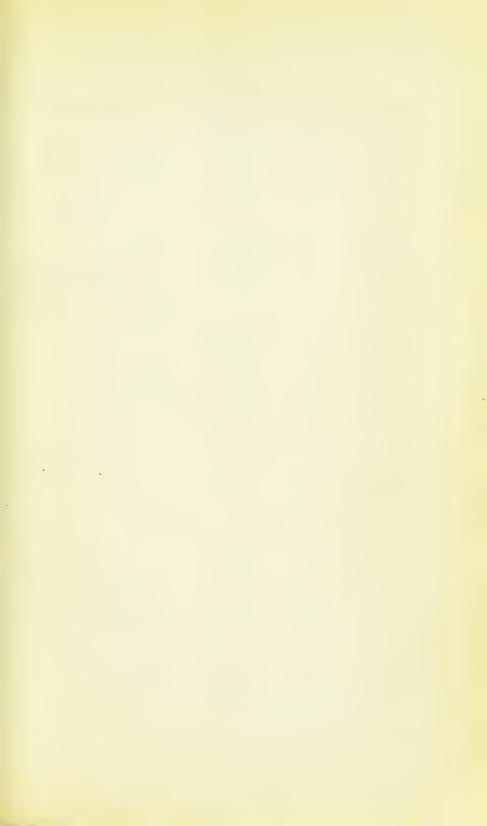
CLASS I. MONANDRIA.

In this Class we have now in the British Flora only two 'Genera, Salicornia (Glasswort), maritime plants, and Hippuris (Mare's Tail). Of the latter there is but one species, Hippuris vulgaris, usually found in still waters, and not unlikely therefore to be found growing about Tunbridge Wells, although I am unaequainted with any locality nearer than the Lewes Levels.

CLASS II. DIANDRIA.

Order 1. Monogynia.

Genera and Species.	Tab. of Eng. Botany.	Nat. Order, time of Flow.	English Name, Localitics, and other remarks.
LIGUSTRUM	_	$\overline{Jasminex}$.	Privet.
vulgare,	764.	June and July.	Hedges, &e., frequent.
VERONICA		Scrophularineæ.	Speedwell.
serpyllifolia,	1075.	May-July.	Road sides, &e., abundant.
seutellata,	782.	July, Aug.	Wet places, common.
Anagallis,	781.	July, Aug.	Wet places.
Beeeabunga,	655.	Summer.	Water courses, ditches, &c., very common.
officinalis,	765.	May-July.	Banks, and other dry situa- tions, common.
montana,	766.	May, June.	Withyham. Moist woods, not eommon.
Chamædrys,	623.	May, June.	Hedge banks, &e., common.
hederifolia,	784.	April—June.	Corn fields, &e.
agrestis,	2603. Sup.	April—Sept.	Cultivated ground, very eom.
polita,	783.	April—Sept.	Cultivated ground, frequently with the above, common.
arvensis,	734.	Spring & Sum.	Cultivated ground, walls, &c



TRIANDRIA.-Monogynia.

Genera and T	Tab. of Eng. Botany.	Nat. Order, time of Flow.	English Name, Localities, and other remarks.
UTRICULARIA	_	Lentibulariæ.	Bladderwort.
vulgaris,	253.	June. July.	Ditches, &c., generally in still waters.
Lycopus		Labiatæ.	Gypsywort.
europæus,	1105.	June, July.	Wet places in woods, ditches, banks of rivers, &c.
SALVIA			Sage or Clary.
pratensis,	153.	July.	Cuxton. Joseph Woods, Esq.
verbenaca,	154.	June, July.	Dry banks.
CIRCÆA		Onagrariæ.	Enchanter's Nightshade.
lutetiana,	1056.	June, July.	By the footpath from Frant to Eridge. Shady situations in woods and plantations, fre- quent.
FRAXINUS		Jasmine x.	Ash.
excelsior,	1692.	April, May.	Woods and hedges.
LEMNA		Pistiaceæ.	Duckweed.
trisulca,	926.	June, July.	Stagnant waters.
minor,	1095.	July.	Stagnant waters.
polyrrhiza,	2458.	Flow. unknown in Britain.	Stagnant waters.
gibba,	1233.	June—Sept.	Stagnant waters.
		Order 2. Digy	
ANTHOXANTHU	М	Graminæ.	Sweetscented Vernal Grass.
odoratum,	647.	May, June.	Meadows, &c., common.

CLASS III. TRIANDRIA.

Order 1. MONOGYNIA.

VALERIANA rubra, dioica,	1531. 628.	Valerianeæ. June—Sept. May, June.	Valerian. Old walls, &c., not indigenous. Wet places about the High' Rocks, &c.
officinalis,	698.	June. July.	Ditches, sides of rivers, and moist places, common; sometimes in dry situations.
FEDIA			Corn Sallad.
olitoria,	811.	April-June.	Cultivated ground.
dentata,	1370.	June, July.	Cultivated ground.

June, July.

Cultivated ground.

dentata,

s mixta,



TRIANDRIA.-DIGYNIA.

Genera and T	ab. of Eng Botany.	Nat. Order,	English Name, Localities, and
IRIS		_	other remarks.
Pseud-acorus,	578.	Irideæ.	Flower de Luce.
fœtidissima,	596.	June, July. May.	Ditches and watery places. [Between Sevenoaks and Tunbridge, by the 27th mile stone. Forster]. About two miles from Eridge, by a hedge in the fields between Dengate and Brownings. Mr. W. W. Reeves.
RHYNCHOSPORA		Cyperaceæ.	Beak Rush.
alba,	985.	June-July.	Bog on Waterdown Forest; bogs near Duddle's Well Toll Gate, and near Forest Row, and else- where on the forests.
Scirpus			Club Rush.
laeustris,	666.	July, August.	Bull Rush. Rivers, lakes and ponds.
setaceus,	1693.	July, August.	Boggy and spongy places on the forests, &e.
sylvatieus,	919.	June, July.	Moist woods, marshy places, &c.
ELEOCHARIS			Spike Rush.
palustris,	131.	June, July.	Ditches and wet places, common.
multieaulis,	1187.	July.	Marshy places.
paueiflora,	1122.	July, August.	Here and there in boggy places on the forests, &c.
eæspitosa,	1029.	June, July.	Very common on the forests.
aeieularis,	749.	July, August.	Waterdown Forest. Forster. Edges of ponds, pits, and other places covered with water during winter.
fluitans,	216.	June, July.	Pools and slow streams, common.
Епорновим			Cotton Grass.
vaginatum,	873.	March—May.	In the bog at Fisher's Castle. Mr. W. W. Reeves.
angustifolium,	564.	April.	On the forests, eommon.
NARDUS		Gramineæ.	Mat Grass.
stricta,	290.	June.	On the forests, and in heathy places, common.
		Order 2. Digy	NIA.
ALOPECURUS		Gramineæ.	Foxtail Grass.
pratensis,	759.	May, June.	Meadows, eomnion.
agrestis,	818.	June, July.	Corn fields, too common.
genieulatus,	1250.	June—August.	Wet places, very common.



TRIANDRIA.—DIGYNIA.

ZIIIII DIIII DIOINIA.			
Genera and Species.	Tab. of En Botany.		English Name, Localities, and other remarks.
PHALARIS			Canary Grass.
canariensis,	1310.	July.	On rubbish, by road sides, and in corn fields, frequent, but not indigenous.
arundinacea,	402.	July, August.	Ponds, on the banks of rivers, &c.
PHLEUM			Catstail Grass.
pratense	1076.	June.	Meadows, &c. common.
MILIUM			Millett Grass.
effusum,	1106.	June.	Shady woods.
GASTRIDIUM			Nit Grass.
lendigerum,	1107.	${ m August.}$	Corn fields, near the High Rocks, and Langton Green, and in the private lane from Bayham to Lamberhurst. Forster. It is by no means unfrequent in the weald both in Sussex & Kent.
CALAMAGROSTIS			Small Reed.
Epigejos,	403.	June, July.	In a wood near the High Rocks, towards the Wells. Forster. In woods, not common.
AGROSTIS			Bent Grass.
canina,	1856.	June, July.	On the forests, & on heaths, com
setacea,	1188.	July, August.	In one spot on the forest, near Ileathfield. W. Borrer, Esq.
*Spica-venti,	951.	June, July.	[Cornfields near the High Rocks. Forster].
vulgaris,	1671.	June, July.	Very common.
β aristata,		June, July.	Common.
y pumila,		June, July.	Commou.
alba,	1189.	July, August.	Pastures, road sides, corn fields, &c. common.
CATABROSA			Whorl Grass.
aquatica,	1557.	May, June.	In the Folly behind the Sussex Hotel. Forster. In wet places not unfrequent.
AIRA			Hair Grass.
cristata,	648.	June, July.	Here and there on the chalk hills from Knockholt to Wrotham.
cæspitosa,	1453.	June—August.	Woods and moist places, com.
flexuosa,	1519.	July.	Sand rocks, heaths, and other places, common.
caryophyllea,	812.	June, July.	Tunbridge Wells Common, and other dry or barren places.
præcox,	1296.	May, June.	Sand rocks, Tunbridge Wells Com- mon, &c., abundant.



TRIANDRIA.-DIGYNIA.

Genera and Species.	Tab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
Melica	_		Melic Grass.
uniflora.	1058.	May-July.	Woods and hedge banks, com.
cærulea.	750.	August.	On the forests &c., very common.
Holcus			Soft Grass.
mollis,	1170.	July.	Woods, hedges, &c.
lanatus.	1169.	Junc, July.	Meadows, &c., common.
ARRHENATHER	eu m		Oallike Grass.
avenaceum,	813.	June, July.	Hedges, pastures, &c.
Poa			Meadow Grass.
aquatica,	1315.	July, August.	Sides of rivers, ponds, & ditches.
fluitans,	1520.	June-Aug.	Streams, ditches, and watery
22 (12 001 000)		4_	places, common. Sand rocks, walls, and barren
rigida,	1371.	June.	heaths.
compressa,	365.	Junc, July.	[On walls and dry pastures.] Forster.] Although this plan
			has been repeatedly sought for. I am not aware of its being found growing in any place nearer Tuubridge Wells that
			Sundridge, where it was discovered by W. Borrer, Esq.
trivialis,	1072.	June, July.	Meadows and other places, com
pratensis,	1073.	June, July.	Meadows, &c., eommon.
βangusti	folia,	June, July.	In woods, &c. A slender state of the species, found only in shad; if places.
	1141.	Spring & Sum.	Very common.
annua, nemoralis,	1265.	June, July.	In woods, common.
TRIODIA	24001		Heath Grass.
decumbens	, 792.	July.	TunbridgeWells Common, on the forests, and other places.
Dorma			Quaking Grass.
BRIZA	340.	June.	Meadows & road sides, commor
media,	010.	0 4,1101	Cocksfoot Meadow Grass.
DACTYLIS	335.	June, July.	Meadows, woods, way sides, &c
glomerata,	300.	June, June	common. Dogstail Grass.
Cynosurus			Meadows, abundant.
cristatus	316.	June, July.	Meadows, abundant. Fescue Grass.
FESTUCA		Tule:	Common.
ovina,	585.	June, July.	Rotmoon Tunbridge Wells at
δ tenuif	olia,	June, July.	Frant, and other places, com.



TRIANDRIA.-DIGYNIA.

Genera and Species.	Tab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
duriuscula,	470.	Junc, July.	Pastures, &c., common.
bromoides,	1411.	June.	On Tunbridge Wells Common, sand rocks, walls, and barren places, frequent.
Myurus,	1412.	June.	Walls, sand rocks, &c.
calamaria,	1005.	July.	Harrison's Roeks. Mr.E.Forster.
loliaeea,	1821.	June, July.	Moist meadows about Tunbridge, plentiful.
pratensis,	1592.	June, July.	Meadows and pastures.
elatior,	1593.	June, July.	[Moist meadows and on banks of rivers. Forster].
Bromus			Brome Grass.
giganteus,	1820.	July, August.	Damp places by hedge sides, &c.
β triflorus,	1918.	July, August.	In woods.
asper,	1172.	June, July.	Woods and hedges, common.
sterilis	1030,	June, July.	Waste ground by road sides and hedges.
secaliuus	1171.	July, August.	Near Burnt House, Mayfield. Jos. Woods, Esq.
mollis	1078.	Junc.	Meadows, road sides, corn fields,: &c., very common.
raeemosus	1079.	June, July.	Meadows and pastures.
* squarrosus	1885.	June, July.	[Said, by <i>Hudson</i> , to have been found near Maresfield].
ereetus	471.	July.	[In fields between the High-Rocks and Waterdown Forest. Forster]. Morant's Court IIill and clsewhere on the Chalk.
AVENA			Oat, or Oat Grass.
fatua	2221.	June, August.	Corn fields, too frequent.
pratensis	1204,	June.	[Meadows & pastures. Forster]. On the chalk hills above St. Clare, Morant's Court Hill, &c.
publiceens	1640.	June.	On the chalk hills about Wro-tham and elsewhere.
flavescens	952.	July.	Meadows, &c., common.
ARUNDO			Reed.
phragmites	401.	July.	Ditches, margins of ponds and rivers, common.
ELYMUS			Elymus.
curopæus	1317.	June.	Thicket by the road side at River Hill, near Sevenoaks. W. Borrer, Esq.
Hordeum			Barley.
murinum	1971.	June, July.	Waste grounds, and under walls.
pratense	409.	June, July.	Meadows and pastures.



TRIANDRIA.-TRIGYNIA. TETRANDRIA.-MONOGYNIA.

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Genera and Species.	ab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
TRITICUM			Wheat Grass.
* eaninum	1372.	July.	[Woods and hedges, not very common. Forster].
repens	909.	June—Sept.	Couch Grass, very eommon.
BRACHYPODIUM			False Brome Grass.
sylvatieum	729.	July.	Hedges, woods, &e.
pinnatum	730.	July.	On the sides of the hill between St. Clare and Wrotham, &c.
LOLIUM			Darnel, or Rye Grass.
perenne	315.	June, July.	Mcadows, way sides, common.
temulentum	1124.	July.	In great abundance in 1813, near the High Rocks. Forster. It was shewn to mc by Mr. W. W. Reeves in a corn field near the Cold Bath, in October, 1841, in great abundance.
6 zrvense	1125.	Fuly.	In a corn field on Ashdown For-cst, near Duddle's Well, and other places, not common.
		Order 3. TRIGY	NIA.
MONTIA.		Portulaceæ.	Water Blinks.
fontana	1206.	May, July.	Wet places, very common.

CLASS IV. TETRANDRIA.

Order 1. Monogynia.

Dirsacus		Dipsaceæ.	Teasel.
sylvestris	1032.	July.	Road sides, hedges, &c., com.
pilosus	877.	August, Sept.	Boughton Monehelsea. Mr. W. W. Recres.
KNAUTIA			Field Scabious.
arvensis	659.	July.	Corn fields and pastures.
SCABIOSA			Scabious.
suecisa	878.	July-Oet.	Meadows and on the forests, com.
eolumbaria	1322.	July, Aug.	[On the Rocks and other dry stony places. Forster]. Mo- rant's Court Hill, and on the Downs above St. Clare, &c.
GALIUM		Rubiacea.	Bed Straw.
vernm	660,	July, Aug.	Banks and way sides, common.
cruciatum	143.	May, June.	Hedge banks and other places.



TETRANDRIA.-Monogynia.

Genera and Ta Species.	tb. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks,
palustre	1857.	July.	Sides of ditches, rivulets, and wet places.
ß Witheringii	2206.	July.	By the rocks near Fisher's Castle.
uliginosum	1972.	August.	In the bogs on Waterdown Forest, towards Eridge. Forster. In wet places, not rare.
saxatile	815.	June—Ang.	On the forests & heaths, very com.
Mollugo	1673.	July, Aug.	Hedges, bushey places, &c.
parisiense β an- glicum	384.	June.	[On the Walls of Bayham Abbey. Forster].
Aparine	816.	June, July.	Very common.
ASPERULA			Woodruff.
odorata	755.	May, June.	Woods and hedge sides, com.
Cynanchica	33,	July, Aug.	[In dry places among the rocks near the Raee ground, Tun- bridge Wells, Forster]. Com- mon on the ehalk hills from Knockholt to Wrotham.
SHERARDIA			Field Madder.
arvensis	891.	June—Aug.	High Rocks, Bayham Abbey, &c. Forster.
PLANTAGO		Plantagine x.	Plantain.
major	1558.	June, July.	Very common.
media	1559.	June, July.	Common.
lanceolata	507.	June, July.	Lamb's Tongue, Ribwort, Fire Weed, &c. Meadows and pastures, common.
Coronopus	892.	June, July.	Buck's Horn Plantain. Abundant on Tunbridge Wells Common.
CENTUNCULUS		Primulacex.	Chaff Wced.
minimus	531.	June, July.	By the road side from Tunbridge Wells to Frant. Forster. I gathered it at the same place, in eompany with Mr. Bentley, July 18th, 1840.
Cornus		Cornea.	Cornel.
sanguinea	249.	June, July.	Hedges, woods, and thickets.
PARIETARIA	070	Urticeæ.	Pellitory of the Wall.
officinalis	879.	Summer.	On walls, &c.
ALCHEMILLA vulgaris	597.	Rosaceæ. June, July.	Lady's Mantle. In Hendle Wood, near Wood's
vuigaris	551.	June, Juny.	In Hendle Wood, near Wood's Nursery, Maresfield. J. Woods, Esq. Hill Park, near Westerham. Mr. R. Scott.
arvensis	1011.	May-July.	Cultivated ground, common.

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TETRANDRIA.—TETRAGYNIA. PENTANDRIA.—Monogynia.

Genera and Species.	Tab. of Eng. Nat. Order. Botany. Time of Flow.	English Name, Localities, and other remarks.
Isnardia palustris	Onagrariæ. 2593. Sup. July, August.	Isnardia. Buxted, in an old iron pit, diseovered by W. Borrer, Esq. in 1827.

Order 4. TETRAGYNIA.

		Order 4. TETRA	GYNIA.
ILEX		Ilicineæ.	Holly.
Aquifolium	496.	May, Juue.	In woods, hedges, and on the
POTAMOGETON		Naiades.	forests. Pond Weed.
densus	397.	June, July.	Ditelies, very common.
*peetinatus	323.	June, July.	[In rivers at Tunbridge. Forster.]
pusillus	215.	June, July.	Ditehes and still waters.
gramineus	2253.	June, July.	Pond at Marden. J. Woods, Esq. and in a pond at the forge by the foot path from Maresfield to Piltdown.
crispus	1012.	June, July.	Rivers and ditches, common.
perfoliatus	168.	July.	Rivers, ditches, and still waters.
lueens	376.	June, July.	Streams, pools, &e.
natans	1822.	June, July.	Ponds and still waters, common.
oblongus		June, July.	Between Hurstwood and Rust- hall Common, and in boggy places on the forests, abundant.
SAGINA		Caryophylle a.	Pearl Wort.
proeumbens	880.	May—Aug.	Waste places, &c.
apetala	881.	May, June.	Dry places, walls, &c.
Mœnchia			Mænchia.
ereeta	609.	May.	Tunbridge Wells Common, and on the forests, &e.
RADIOLA		Line x.	All Seed.
Millegrana	893.	July, Aug.	On the forests, heaths, and way sides, common,

CLASS V. PENTANDRIA.

Order 1. Monogynia.

ECHIUM		Boragineæ.	Viper's Bugloss.
vulgare	181.	June, July.	Waste places, old walls, &e.,com.
LITHOSPERMUM			Gromwell.
*officinale	134.	June.	[On the High Rocks. Forster.]
arvense	123.	May, June.	Corn fields, waste ground, &c.



PENTANDRIA.-Monogynia.

Genera and Species.	Tab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
SYMPHYTUM			Comfrey.
officinale.	817.	June, July.	Penshurst, Tunbridge, &c., on the banks of rivers, and in watery places, frequent.
Borago			Borage.
officinalis	36.	June, July.	Waste ground, &c.
LYCOPSIS	•	•	Bugloss.
arvensis	938.	June, July.	Cornfields, hedge banks, &c.
Myosotis			Scorpion Grass.
palustris	1973.	Summer.	Forget me not. Ditches and watery places, not common.
repens	2703. Sup.	May—Aug.	Between Tunbridge Wells Common and Hurstwood, and in boggy places on the forests, common.
cæspitosa	2661. Sup.	May, June.	Boggy and watery places.
arvensis	2629. Sup.	June-Aug.	Cultivated ground, &c.
collina	2558.	April, May.	Sandy banks, & other dry places
versicolor	480.	April—Junc.	Banks at the High Rocks, and other places, common.
CYNOGLOSSUM			Hound's Tongue.
officinale	921.	Junc, July.	Waste ground, and ou rubbish &e., common.
*sylvaticum	1642.	Junc, July.	[At Withyham, and in the land from the High Rocks to Rust hall Common. Forster].
ANAGALIS		Primulaceæ.	Pimpernel.
arvensis	529.	Summer.	Cultivated ground, common.
tenclla	530.	July, Aug.	In mossy bogs on the forests, it abundance.
Lysimachia			Loosestrife.
vulgaris	761.	July.	Shady wet places, and by the sides of rivers.
nemorum	527.	Summer.	Woods by the High Rocks, an other places.
Nummularia	528,	June, July.	On the forests, and by the sides of streams, common.
CYCLAMEN			Sow Bread.
hederifolium	548.	Aug. Scpt.	In woods at Sandhurst, and no as stated by Sir Wm. Hooke, in the British Flora, on Sandhurst Green; neither is it confined to one habitat. It is als stated in the British Flora to I found at Goudhurst, but I have not seen it there.



PENTANDRIA.-Monogynia.

Genera and Species.	Tab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
PRIMULA	_	_	Primrose.
vulgaris	4.	April, May.	Woods, hedge banks, pastures, &c.
elatior	513.	April, May.	Oxlip. Abundant about Wad- hurst and Mayfield.
veris	5.	April, May.	Cowslip. Meadows, &c., eom.
HOTTONIA			* Water Voilet.
palustris	364.	Juue.	In ditches about Tunbridge, &c.
MRNYANTHES		Gentianeæ.	Buck Bean.
trifoliata	495.	June, July.	Bogs on Waterdown Forest, and other similar places, not com.
ERYTHRÆA			Centaury.
Centaurium	417.	July, Aug.	Hedge Banks, &c., commou.
pulchella	2305.	Aug., Sept.	In the cornfields between the road to the High Rocks and Rusthall Common, and other places, not common.
Hyoscyamus		Solane x.	Henbane.
niger	591.	July.	On rubbish at Summer Hill House. Forster. At Barden, near Speldhurst; on Tunbridge Wells Common, and at South- borough in 1840.
ATROPA			Deadly-nightshade.
Belladonna	592.	June.	Chalk hills about Keunsing. Mr. R. Scott.
SOLANUM			$\mathcal{N}ightshade.$
Duleamara	365.	June. July.	In hedges and thickets, common. A white variety of this grows in the hedge by the road side on leaving Tunbridge Wells by the Frant road.
uigrum	566.	June—Sept.	Waste places, &c., frequent.
VERBASCUM		Scrophularineæ.	Mullein.
Thapsus	549.	July, Aug.	Thickets, road sides, &c.
Lyehuites	68.	June, July.	Pratt's Bottom, and other places on the chalk.
nigrum	59.	July, Aug.	Bauks and way sides.
Blattaria	393.	July.	Cuxton. Jos. Woods, Esq.
Convolvulus		Convolvulace a.	Bind Weed.
arvensis	312.	June, July.	Cultivated ground, &c., very com.
sepium	313.	July, Aug.	Moist woods and hedges.



PENTANDRIA.-Monogynia.

Genera and T Species.	Tab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
VINCA	_	Apoeyneæ.	Periwinkle.
minor	917.	May, Junc.	In woods, hedges, and thickets. in the Weald of Kent and Sus- sex, not uncommon.
Samolus	#10 m	Primulaeæ.	Brook Weed.
*Valerandi	703.	July.	Forster states that this formerly grew by the small stream near the High Rocks in great abundance.
JASIONE		Campanulaeeæ.	Sheep's Bit.
montana	882.	June, July.	On the rocks on Tunbridge Wells Common; sandy banks, and other places.
PHYTEUMA			Rampion.
orbiculare	142.	August.	Morant's Court Hill, on the downs above Ightham and towards Wrotham, common on the chalk.
spicatum	2598. Sup.	June, July.	Mayfield, Waldron, &c., first detected in the former parish by the Rev. Ralph Price, in 1825. It grows in the woods at Warbleton in such abundance that no one who saw it there could doubt its being a native.
CAMPANULA			Bell Flower.
rotundifolia	866.	July-Sept.	Very common.
Traehelium	12.	July, Aug.	Woods and thickets.
glomerata	90.	July, Aug.	[On Harrison's Roeks. Forster.] Morant's Court Hill, and on the ehalk hills between St. Clare and Wrotham.
licderaeea	73.	July, Ang.	In mossy bogs on the forests, com.
*hybrida	375.	July, Aug.	[Near the High Rocks. Forster.]
LONICERA		Caprifoliaceæ.	Honey Suekle.
Periclymenum	800.	June-Oet,	Woods and hedges.
RHAMNUS		Rhamneæ.	Buekthorn.
catharticus	1629.	May, Junc.	[In the lancs towardsWoodsgate. Forster.] In the hedges on the chalk about Wrotham, abundt.
Frangula	250.	May.	In woods, &c., common.
EUONYMUS		Celastrineæ.	Spindle Tree.
europæns	362.	May.	In the lanc between Smockham Mill and Broomhill. In woods and hedges, not unfrequent.
			and in agon, not minoquem.

PENTANDRIA.-Monogynia.-Digynia.

Genera and Species.	Tab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
VIOLA	_	Violarieæ.	Violet.
hirta	894.	April, May.	[On the High and other Rocks Forster]. Penshurst, and on the
odorata	619.	Mareli, April.	chalk about Wrotham, &c. Banks and pastures; not common about Tunbridge Wells.
palustris	444.	April—June.	On all the bogs in the neighbour hood.
canina	620.	April—Aug.	Banks & pastures, very abundant
β minor (flavicornis,	2736. Sup Smith)	· April—Aug.	On Tunbridge Wells Common and on the forests.
laetea	445.	May.	First discovered by T. F. Forster Esq. on Waterdown Forest; i is also found at Heathfield, an here and there throughout the forest district.
tricolor	1287.	Summer.	Cultivated ground, common.
β arvensis	2712. Sup	. Summer.	Cultivated ground, common.
RIBES		Grosulari c æ,	Currant and Gooseberry.
rubrum	1289,	Мау.	In hedges and thickets, frequen- Neither this nor the two fol- lowing species are considere indigenous, the seed being sup- posed to be dropped by birds.
nigrum	1291.	May.	Hedges and thickets, common.
Grossularia Iledera	1292.	April, May. Araliaceæ.	Hedges and thickets, common. Ivy.
Helix	1267.		In hedges, woods, elimbing of buildings, trunks of trees, &c
		Order 2. Digy	
GENTIANA		Gentianea.	Gentian.
Pneumonanthe	20.	Aug., Sept.	On Waterdown, Broadwater an Ashdown forests, and here an there in all the forest district
Amarella	236.	July—Sept.	On Ashdown Forest, near Wood Nursery. J. Woods, Esq.
campestris	237.	Aug.	Ashdown Forest, with G. Amo rella. Mr. Furner.
CUSCUTA		Convolvulacea.	Dodder.
europæa	378.	Aug., Sept.	[Withyham, Forster]. AtWate ingbury, on the banks of the Medway. Mr. W. W. Reeve
trifolii +		August	On elover, at Barden, near Turbridge, abundant Aug., 1842.
Epithymum	55.	July, Aug.	Parasitie, on heath and furze of the forests and on Tunbridg Wells Common, abundant.
			The second secon

 $[\]pm$ Mr. Babington regards this plant as a distinct species and has proposed the name $C.\ trifolii.\ Mr.\ Borrer.$ A specimen of this was first given to me by Mr.



PENTANDRIA.-DIGYNIA.

Genera and 12	Tab. of Eng.	1 3/44 003-001	77 77 74 74 77 77 77 77 77 77 77 77 77 7
Species.	Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
HYDROCOTYLE		Umbelliferæ.	Whiterot.
vulgaris	751.	May, June.	Boggy and watery places, very common.
SANICULA			Sanicle.
europæa	98.	May, June.	Woods, common.
CONIUM			Hemlock.
maeulatum	1191.	June, July.	Waste places, &c.
SMYRNIUM			Alexanders.
Olusatrum	230.	May, June.	In the chalk district, frequent.
APIUM			Celery.
graveolens	1210.	Aug.	Marshy places.
PETROSELINUM			Parsley.
segetum	248.	Aug.	[Corn fields, rarely. Forster]. On the banks of the Medway near Maidstone. J. Woods, Esq.
Ilelosciadium			Marshwort.
nodiflorum	639.	July, Aug.	Ditches and rivulets, frequent.
inundatum	1431.	May-July.	Pools and marshy places dried up in summer.
Sison			Bastard Stone Parsley.
Amomum	954.	Aug.	Under hedges, &c.
ÆGOPODIUM			Gout Weed.
Podagraria	940.	May, June,	Hedges by the road from Cross in Hand to Hadlow Down. W. Borrer, Esq.
BUNIUM			Earthnut.
flexuosum	988.	May, June.	Woods and meadows, abundant.
PIMPINELLA	400	1 1 4	Burnet Saxifrage.
Saxifraga	407.	July, Aug.	Dry pastures, frequent. The var- nigra grows with P. magna be- tween Mount Ephraim and Hurst Wood.
magna	408.	July, Aug.	By the road side, in the fields, between Mount Ephraim and Hurst Wood, and a single plant on Silverhill, near Hurstgreen, Wm. Borrer, Esq. Near Maidstone, Jos. Woods, Esq.
SIUM			Water Parsnep.
*latifolium	204.	July, Aug.	[Tunbridge Town. Forster].

Gorham, of Tunbridge, who received it from Mr. West. It was first observed by the farmer at Barden, who finding a plant which was destroying his clover crop, brought it to Mr. West to know what it was.



PENTANDRIA.—DIGYNIA.

Genera and To	ub. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
Bupleurum			Hare's Ear.
rotundifolium	99.	July.	In a corn field through which the foot path from Uckfield to Piltdown passes; and in another field between Piltdown and Shortbridge, W. Borrer, Esq. Sandling, near Maidstone, Jos. Woods, Esq.
CENANTHE			Water Dropwort.
fistulosa	363.	July, Aug.	Ditches, &c., common.
erocata	2313.	July.	(Water Hemlock) watery places, common.
*Phellandrium	684.	July.	[By the sides of rivers & ditches at Tunbridge. Forster].
ÆTHUSA			Fool's Parsley.
Cynapium _	1192.	July, Aug.	Cultivated ground, &c., frequent.
FENICULUM			Fennel.
vulgare	1208.	July, Aug.	Waste places and hedge banks near gardens, from which it most likely escaped.
SILAUS			Pepper Saxifrage.
pratensis	2142.	July, Sept.	Pastures and meadows, frequent.
ANGELICA			Angelica.
sylvestris	1128,	July.	Moist woods and marshy places, common.
PASTINACA			Parsnep.
sativa	556.	July,	[Langton Green. Forster]. Morant's Court Hill and clsewhere on the chalk.
HERACLEUM			Cow Parsnep, or Hog Weed.
Sphondylium	939.	July.	Hedges, &c., abundant.
Daucus			Carrot.
Carota	1174.	July.	Pastures, &c., eommon.
Torilis			Hedge Parsley.
Anthriseus	987.	July.	Hedges and waste places.
infesta	1314.	July.	Road sides and fields.
nodosa	199.	July.	Waste places, road sides, &c.
SCANDIX			Shepherd's Needle.
Peeten	1397.	June, July.	Corn fields, abundant.
ANTHRISCUS	752.	Annil June	Beaked Parsley. Borders of fields and under
sylvestris		April, June.	hedges, &c.
vulgaris	818.	May, June.	On banks and rubbish. Porster.



PENTANDRIA.-DIGYNIA.-TRIGYNIA.

Genera and Ta	b. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
CHÆROPHYLLUM		_	Chervil.
temulentum	1521.	June, July,	Under hedges &c.
CHENOPODIUM	10411	Chenopodeæ.	Goose Foot.
*olidum	1034.	Ang.	[On rubbish, and sometimes in corn fields. Forster.]
polyspermum	1480.	Aug., Sept.	Common.
Bonus Henricus	1033.	Aug.	Waste places and road sides
intermedium (urbicum E.B.	717.	Aug.	Waste places &c., common.
rubrum	1721.	Aug., Sept.	Dunghills, under walls, &c.
*murale	1722.	Aug.	[Walls and rubbish, not uncommon. Forster].
album	1723.	July, Aug.	Manured ground, common.
*ficifolium	1724.	Aug., Sept.	[Dunghills and rubbish, not com-mon. Forster].
ULMUS		Ulmacex.	Elm.
suberosa	2161.	March.	Hedges, &c.
glabra	2248.	Mareh.	[Withyham. Foster].
montana	1887.	March, April.	Woods and hedges, frequent ucar Groombridge. Forster.
		Order 3. Trigy	INIA
VIBURNUM		Caprifoliaceæ.	Guelder Rose.
Lantana	331.	June.	[High and Harrison's Rocks. Forster]. In the chalk district, frequent.
Opulus	332.	June, July.	Hedges, woods, &c., common.
Sambucus			Elder.
Ebulus	475.	July.	[At Groombridge and Tun- bridge. Forster]. By an old oast house, nearly opposite Tudor Hall, Hawkhurst; by Etchingham Church yard wall, and in the field adjoining the church yard.
nigra	476.	June.	Hedges, &c., very common.
LINUM		Lineæ.	Flax.
usitatissimum	1357.	June, July.	Between Tunbridge Wells and Southborough, Eridge, Flim- well, &c.
angustifolium	381.	June, July.	Between Hook Green and Lamberhurst, and other places, frequent.
eatharticum	382.	June, July.	Pastures, common.
DROSERA		Droseracea.	Sun Dew.
rotundifolia	867.	July.	On the forests, in bogs, &e., abundant.
longifolia	868.	July.	Near Forest Row.

PENTANDRIA.-TRIOYNIA. HEXANDRIA.-MONOGYNIA.

Genera and Species.	Tab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
Myosurus		Ranuneulaceæ.	Mousetail.
minimus	455.	May,	In corn fields, rarc. Mr. Furner states that it formerly grew in great abundance in a corn field near Wych Cross.
	CI	ASS VI. HEXA	NDRIA.
		Order 1. Monogr	YNIA.
BERBERIS		Berberidex.	Barberry.
vulgaris	, 49.	June.	In a hedge about a quarter of a mile from the church at Tice-hurst, on the road to Burwash probably planted.
PEPLIS		Ly thrarie x.	Water Purslane.
portula	1211.	July, Aug.	Watery places, common.
GALANTHUS		A maryllide a.	Snow Drop.
nivalis,	19.	Feb.	Orchards and pastures, not indigenous.
NARCISSUS			Daffodil.
Pseudo-nare	cissus 17.	March, April.	In woods, hedges, and pastures frequent both in the Weald and in the forest district.
* poeticus.	275.	May.	[In a field on Mount Sion, Jos. Woods, Esq.]
* biflorus	276.	April, May.	[On Fordcomb Green, Penshurst. Forster.]
CONVALLARIA		Smilaceæ.	Lily of the Valley.
majalis	1035.	May.	Harrison's Rocks; Rock Wood in abundance; Penn's Rocks; near Wych Cross, and else- where on the forests, &c.
ALLIUM		Asphodeleæ.	Garlie.
* vineale	1974.	June.	[On the sides of fields, not uncommon. Forster.]
ursinum	122.	June.	Moist woods and hedge banks, not uncommon.
ORNITHOGALU	JM		Star of Bethelem.
umbellatum	130.	April, May.	Maidstone and Allington.
HYACINTHUS			Hyacinth, Bluebell.
non-scriptus	s 377.	May.	Woods and hedges, abundant.
NARTHECIUM		Juneex.	Bog .4sphodel.
ossifragum	519.	July, Aug.	A beautiful plant growing in boggy places on all parts of the forests.



HEXANDRIA.-Monogynia.-Trigynia.

Genera and Tal Species. 1	o. of Eng.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
Juncus			Rush.
glaueus	665.	July.	Wet places and by road sides, &c.
effusus	836.	July.	Wet places, common.
conglomeratus	835.	July.	Marshy wet places, frequently with the above.
aeutiflorus	238.	June, Aug.	Bogs, very common.
lampoearpus	2143.	July, Aug.	Marshy places, where water has staguated during winter.
obtusiflorus	2144.	Aug.	Wet pastures and other places, frequent.
uliginosus	801.	Aug.	A very variable plant, abundant in boggy and swampy places.
*eompressus	934.	Aug.	-[On moist meadows and heaths. Forster.]
bufonius	802.	Aug.	In water courses by road sides, and in most watery places that have been overflowed during winter.
squarrosus	933.	June, July.	Moory and heathy ground, abundant on the forests.
LUZULA	Mow	3.5 Y	Woodrush.
sylvatiea	737.	May, June.	By the rocks on the right of the foot path from TunbridgeWells Common to the High Rocks.
pilosa	736.	April.	Woods, &e., frequent.
Forsteri	1293.	May, June.	Harrison's Rocks; between Langton Green and Groombridge; Bidborough, &c.
eampestris	672.	April, May.	Meadows, &e., very common.
β eongesta	2719,Supt.	June.	In boggy places on the forests, &e., frequent.
		Order 3. TRIGY	NIA.
RUMEX		Polygone x.	Dock and Sorrel.
Hydrolapathum		July, Aug.	Ditches and river sides, frequent.
erispus	1998.	June, July.	Way sides; under walls; in pas-
pratensis	2757.Supt.	June, July.	tures, &c., common. By the road side towards Crowborough. Wm. Borrer, Esq.
sanguineus β		July.	Road-sides, &e., frequent.
acutus	724.	July.	Watery places, common.
* pulcher	1576.	Aug.	[On stony soil about the Wells. Forster.]
obtusifolius	1999.	July.	Waste places and road sides. very common.



HEXANDRIA.-HEXAGYNIA. OCTANDRIA.-MONOGYNIA.

Genera and T Species.	ab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
* palustris	1932.	July.	[On the sides of the road from Tunbridge to the Wells, also in the road from Frant to Mayfield. Forster.]
Acctosa	127.	June, July.	Meadows, &c., common.
Acetosella	1674.	May, July.	Dry banks and pastures, &c.
TRIGLOCHIN.		Juncagine x.	Arrow Grass.
palustre	366.	Aug.	Wet pastures, &c.
		Order 6. HEXAGO	YNIA.
ACTINOCARPUS.		A lismace x.	Star Fruit.
Damasonium	1615.	June, July.	On Waterdown Forest, and in the ponds in Abergavenny Park. Forster. In a pond near the Turnpike Gate between Horsted Keynes and the Sheffield Arms, about three miles from Wych Cross.
ALISMA			Water Plantain.
Plantago	837.	July.	Ditches, rivers, ponds, &c., common.
ranunculoides	326.	Aug. Sept.	Boggy places, frequent.
	CI	ASS VII HEPT	NDRIA

CLASS VII. HEPTANDRIA.

In this Class there is one British plant only, *Trientalis Europæa* (Chickweed Winter Green), and this, I believe, is confined entirely to Scotland and the North of England.

CLASS VIII. OCTANDRIA.

Order 1. MONOGYNIA.

ACER		Acerinea.	Maple.
Psendo-plant	anus 303.	May, June.	In hedges, &c., always planted.
eampestre	301.	May, June.	Hedges, &c.
CHLORA		Gentianeæ.	Yellow Wort.
perfoliata	60.	July—Sept.	In a meadow near Cross in Hand, growing with Ophrys apifera, J. Woods, Esq. I saw it in the same place August, 1840. Morant's Court Hill, &c., common on the chalk.
ERICA		Erice x.	Heath.
Tetralix	1011.	July, Aug.	On the forests, &c., abundant.
cinerca	1015,	July, Aug.	On the forests, &c., abundant. White flowered varieties of this and of the above are not un- frequent.



OCTANDRIA.-Monogynia.-Trioynia.

			THE ARTOLAIA.
Species.	Tab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
CALLUNA			7 da
vulgaris	1013.	June-Aug.	Ling. On Tunbridge Wells Common, and on the forests abundant. A white var. is found here and there on the forests.
VACCINIUM		Vaccinieæ.	Whortleberry or Bilberry.
Myrtillus	456.	May.	Heathy places; woods; on the sand rocks, and on the forests.
EPILOBIUM		Ornigrarieæ.	Willow Herb.
angustifolium	1947.	July.	By the road-side between Tun- bridge Wells and Eridge. On the forest on the right of the road from Tunbridge Wells to Frant, and several other places in the neighbourhood.
hirsutum	838.	July.	Sides of ditches and other we places, common.
parv iflorum	795.	July.	In the wood near the HighRocks- Tunbridge, and other places not uncommon.
montanum	1177.	June, July.	Hedge sides, &c., very common
rosenm	693,	July.	[Wet places near Withyham Rev. S. Balc. Forster.] It is found here and there in shadlanes in the Weald of Sussex rare.
tetragonum	1948.	July.	Watery places, common.
palustre	346.	July.	Wet places and by the sides o ditches, common.
DAPHNE		Thymelew.	Spurge Laurel.
Laureola	119.	March.	(High Rocks.—Forster.) A Bullenstone, with Helleboru viridis, near Langton Green and several other places abou Speldhurst. St. Clere Ight ham, &c.
		Order 2. TRIGYN	IA.
Polygonum		Polygoneæ.	Buck Wheat, Knot Grass, &c.
Bistorta	509,	June.	(Snakeweed.) Groombridge, &c
aviculare	1252.	May, Sept.	Waste places, &c., common.
Fagopyrum	574.	July, Aug.	(Buck Wheat.) Not meon mon, but I suspect at all time an escape from cultivation.

OCTANE	RIA-TETI	RAGYNIA DEC	ANDRIAMonogynia.
Genera and To	ab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
Convolvulus	941.	July, Aug.	(Climbing Buck Wheat.) Corn fields, common.
dumetorum	2811. Sup	t. Sept.	(Copse Buck Wheat.) Hedge, by Wood's Nursery, Maresfield, W. Borrer, Esq.; and at Framfield, Mr. Lingwood.
amphibium	436.	July, Aug.	(Persicaria.) Margins of ponds, &e., frequent.
Persiearia	756.	Aug.	Moist ground and waste places, common.
laxum	2822. Sup	t. Aug.	In similar places with <i>P. Persicaria</i> , between which and <i>P. lapathifolium</i> , it seems a connecting link. <i>W. Borrer</i> .
lapathifolium	1382.	Aug.	Dunghills & eultivated ground
Hydropiper	989.	Aug., Sept.	(Biling Persicaria.) Sides of water courses and ditches, common.
*minus	1043.	Sept.	[Moist and stony places. Forster.]
		Order 3. TETRAG	
PARIS		Smilaceæ.	Herb Paris. True Love.
quadrifolia	7.	May, June.	St. Clere, Ightham, and Hill Park, near Westerham, Mr. R. Scott; Fant Woods near Maidstone. Mr. W. W. Reeves.
ADOXA		Araliacex.	Moschatell.
Moschatellina	453.	April, May.	In a copse near Hamsell, and elsewhere; in woods and shady places not unfrequent.
ELATINE		Elatineæ.	Waterwort.
hexandra (tripetala E. l	955. 3ot.)	July, Aug.	Maresfield Mill Pond, W. Borrer and Josheph Woods, Esqrs., and at Felbridge near East- Grinstead.
	CL	ASS IX. ENNEA	NDRIA.
		Order 1. HEXAG	YNIA.
Витомиз		Butomeæ.	Flowering Rush.
umbellatus	651.	June, July.	This beautiful and highly ornamental plant grows in great abundance about Tunbridge.
	C.	LASS X. DECAN	NDRIA.
		Order I. Monog	
Monotropa		Monotropeæ.	Yellow Bird's Nest.
JJypopitys	713.	June, July.	In a wood on the hill above St. Clere, and in a clump of beeches north of the house. Mr. B. Scott.



DECANDRIA.-DIGYNIA.-TRIGYNIA.

	DECAN	DRIA.—DIGYNIA.	-TRIGYNIA.
Genera and Tab Species. E	of Eng.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
		Order 2. DIGYN	IA.
SCLERANTHUS		Paronychieæ.	Knawel.
annuus	351.	July.	Cornfields, frequent.
CHRYSOSPLENIUM		Saxifrageæ.	Golden Saxifrage.
oppositifolium	490.	April, July.	Wet shady places, very common.
SAXIFRAGA			Saxifrage.
granulata	500.	May, Juns.	Ahundant on sandy banks at Ightham. Forster states that it grew on the High Roeks: it has heen frequently sought for there, without success.
tridactylites	501.	May, June.	On walls, roofs of houses, &c., common.
SAPONARIA		Caryophylleæ.	Soapwort.
officinalis	1060.	July, Aug.	In the hedge by the foot path from Tunbridge Wells Com- mon to Hurst Wood.
DIANTHUS			Pink.
Armeria	317.	July, Aug.	Withyham; in the lane from Rusthall Common to the High Rocks, Forster; and in a lane near Fisher's Castle leading towards Southborough.
		Order 3. TRIGYN	
SILENE		* .	Catchfly.
inflata	164.	July.	Pastures, road sides, &c., com- mon.
Quinquevulnera	86.	June, July.	[Harrison's Rocks, Forster.] At the Moat on the Forest between Tunbridge Wells and Frant, in abundance, 1840, shewn to me by Mr. Maddock, who states he cannot account for its appearance unless it was introduced with the manure carried up from the town. This most probably was the case at Wrotham and other places where it has been found.
STELLARIA			Stitchwort.
media umbrosa (Opiz.)	537.	Jan.—Dee.	Very eommon. Hendle Wood, Maresfield. Joseph Woods, Esq.
holostea	511.	May, June.	Road sides, hedges, &c., common.
graminea	803.	May, June.	Pastures, heaths, &c., eommon.
glauea	825.	June, July.	Wet places, frequent.
uliginosa	1071.	June.	In ditches, &c., common.



DECANDRIA.—TRIGYNIA.—PENTAGYNIA.

Genera and Tab. Species. B	of Eng.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
ARENARIA			Sandwort.
trinervis (Moehringia Bal	1483. b.)	May, June.	In shady damp places.
serpyllifolia	923.	June—Sept.	Tunbridge Wells Common; on walls, and in dry waste places, frequent.
rubra (Alsine Bab.)	852.	July, Aug.	Corn fields, &c.
		Order 4. PENTAG	YNIA.
COTYLEDON		Crassulace a.	Navelwort.
Umbilieus	325.	June, Aug.	On an old wall at Boughton Mon- ehelsea. Mr. W. W. Reeves.
SEDUM			Stonecrop.
Telephium	1319	Aug.	Orpine or Livelong.) On the bank opposite the High Rocks, and several other places, not unfrequent.
dasyphyllum	656.	June	On an old wall at Farningham. J. Woods, Esq.
album	1578.	July.	[On the ruins at Mayfield. Forster.] On the roof of the inuat Hartfield.
aere	839	Jnne.	Tunbridge Wells Common, and other places, frequent.
reflexum	695.	July.	On the roofs of houses and on the ruins at Mayfield, and other places, not uncommon.
OXALIS		O.ralideæ.	Woodsorrel.
Acetosella	762.	April, May.	In woods and on the rocks, in shady places, common.
AGROSTEMMA		Caryophylleæ.	Cockle.
Githago (Lyhenis Bab.	741	June, July.	Cornfields, frequent.
LYCHNIS			Campion.
Flos Cuculi	573.	June.	(Ragged Robbin.) Meadows, &c. frequent.
diurna	1579.	May, June.	Under hedges and in meadows, &c., frequent.
vespertina Cerastium	1580.	June, Sept.	Corn fields, &c. Mouse-ear Chickweed.
viilgatum	789.	Summer.	Very common.
viseosum	790.	Summer.	By the sides of roads, waste places, &c., common.
semidecandrum	1630.	April, May.	Dry waste places, and on wall- tops, common.



DODECA	NDRIAMon	ogynia, &c. IC	OSANDRIAMonogynia.	
Genera and Species.	Tab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, other remarks.	aı
* arvense	93.	Summer.	[In eorn fields.—Forster.]	
aquatieum (Malachiun	538. a Bab.)	July.	Tunbridge, &e., and by the sof rivers and ditches, frequency	id ier
SPERGULA			Spurrey.	
arvensis	1535.	June, July.	Corn fields, very eommon.	
nodosa	694.	July, Aug.	Wet places, frequent.	
subulata	1082.	July, Aug.	Bare gravelly spots on forests; rare.	tl
	CLAS	SS XI. DODECA	NDRIA.	
		Order 1. Monogy	NIA.	
LYTHRUM		Lythrariæ.	Purple Loosestrife.	
Saliearia	1031.	July, Aug.	Penshurst, Tunbridge, and o watery places, frequent.	th
		Order 2. DIGYN	IA.	
AORIMONIA		Rosaceæ.	Agrimony.	
Eupatoria	1335.	June, July.	Waste places, road sides, eommon.	2
		Order 3. Trigy	NIA.	
RESEDA		Recedaceæ.	Dyer's Rocket, Wild Mig nette.	ne
Luteola	320.	July.	On Tunbridge Castle.	
lutea	321.	July, Aug.	[In corn fields and high ground Forster.] Morant's Court I on the chalk between St. C and Wrotham, &c.	Iil
	C	order 4. Dodecag		1
SEMPERVIVUM	r .	Crassulaceæ.	House Leek.	
teetorum	1320.	July, Aug.	On roofs of houses, wall take, rarely, if ever indigen Planted by cottagers on count of its medicinal proties.	101
	CL	ASS XII. ICOSA	NDRIA.	П
		Order 1. Monogy		
PRUNUS		Rosaceæ,	Plum and Cherry.	10
insititia	841.	April.	Between Frant and Mayl and near Withyliam. For In hedges, not uncommon.	SIA
spinosa	842.	March, April.	Hedges, &e., very common.	
* Padus	1383.	May.	[In woods and hedges. Forst	6
Cerasus (austera Le	2863, Supt eighton.)	. May.	Hedges. Rotherfield.	

ICOSANDRIA.—PENTAGYNIA, &c.

Genera and Species.	Tab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
avium (Cerasus 1	706. E. B.)	May.	Hedges, woods, &c., frequent.
		Order 2. PENTAG	YNIA.
MESPILUS			Common Medlar.
germaniea	1523.	May.	Bidborough, in a hedge by the road to Penshurst. W. Borrer, Esq. The figure in the Eng. Bot. represents the cultivated variety, which differs eonsiderably from the wild one.
CRATÆGUS			Hawthorn.
Oxyacantha	2504.	May, June.	Hedges, &c., eommon.
Pyrus			Pear and Apple.
communis	1784.	April, May.	Hedges, &e. Origin of our Pear.
Malus	179.	May.	Hedges and woods, frequent. Origin of our <i>Apple</i> .
* torminalis	298.	April, May.	[In woods, but rarely. Forster.]
aueuparia	337.	May, June.	(Mountain Ash.) High Rocks, &c.
Aria	1858.	June.	Brasted. J. Woods, Esq. Bid- borough, E. J.; it is common on the chalk above St. Clere; Morant's Court Hill, &c.
SPIRÆA			Spiræa or Meadow Sweet.
salicifolia	1468.	July.	In the fir plantation on the border of Broadwater Forest, brought there most likely by accident at the time the firs were planted.
Filipendula	284.	July.	[On high pastures and heaths. Forster.] On the chalk at Morant's Court Hill, and between St. Clere and Wrotham, &c.
Ulmaria	960.	July.	Meadows, sides of ditches, &c., common.
		Order 3. Polygy	NIA.
Rosa			Rose.
spinosissima	187.	May.	Forests, and on heathy places.
tomentosa	990.	June, July.	Not unfrequent in hedges and thickets.
inodora	2579.	June, July.	Hedges and thickets.
mierantha	2490.	June, July.	Morant's Court Hill, and clse- where on the chalk.
rubiginosa	991.	June, July.	(Sweet Briar.) On the chalk above St. Cleic, Morant's Court Hill, &c.



ICOSANDRIA .- POLYGYNIA.

Genera and To Species.	ab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
Rosa			Rose.
canina	992.	June, July.	Hedges and thickets.
β (sarmentace	a) 2595. Suj	pt. June, July.	Hedges and thickets.
γ (surculosa)		June, July.	Hedges, thickets, &c.
δ (dumetorum		ot. June, July.	Hedges, and among bushes, &c.
٤ (Forsteri)	2611. Sup	ot. June, July.	Thickets, hedges, &c.
systyla	1895.	June, July.	Hedges and thickets; Bidbo- rough, Mr. Borrer; Penshurst, Mr. Joseph Woods.
arvensis	188.	June, July.	Woods, hedges, and thickets.
β		June, July.	Woods, hedges, and thickets.
γ		June, July.	Woods, hedges, and thickets.
Rubus			Bramble.
idæus	2442.	May, June.	In woods, &c. very common in the neighbourhood of Tun- bridge Wells.
plicatus *	2714. Suj	pt. June—Aug.	In heathy and somewhat boggy places on the forests, chiefly on the banks of streams. W. Borrer, Esq.
carpinifolius	2664. Sup	t. July, Aug.	Hedges, &c.
rhamnifolius	2604. Sup	t. July, Aug.	Hedges, thickets, and woods.
fruticosus	715.	July, Aug.	Very common.
leucostachys	2631. Sup	t. July, Aug.	Hedges, woods, and thickets.
macrophyllus	2625. Sup	t. July, Aug.	Hedges, thickets, and woods.
Koehleri	2605. Sup	t. July, Aug.	Woods, thickets, &c.
γ (pallidus)		July, Aug.	In a hedge near Hartfield. E. Forster, Esq.
corylifolius	827.	July, Aug.	Hedges and thickets.
cœsius	826.	June, July.	Thickets and hedge banks, com- mon.
FRAGARIA			Strawberry.
vesca	1524.	May-July.	Hedge banks, woods, &c., com- mon.
COMARUM			Marsh Cinquefoil.
palustre	172.	July.	Boggy places, frequent.

^{*} There is also in hedges, &c., on the forests, a Bramble which is perhaps a var. of R. plicatus, although it seems to differ by its more trailing growth and larger prickles. This is mentioned by Mr. Borrer in his account of R. plicatus in Eng. Bot. Suppl., as probably either R. nitidus or R. affinis of Weihe and Nees.



ICOSANDRIA.-POLYGYNIA. POLYANDRIA.-MONOGYNIA.

Genera and Tal	o. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
POTENTILLA			Cinquefoil.
anserina	861.	June, July.	Road sides, &c., common.
* argentea	89.	June.	[In pastures, not eommon. Fors-ter.]
reptans	862.	June—Aug.	Meadows, pastures, hedge banks, &c.
Fragariastrum	1785.	March, April.	Hedge banks, woods, &c., very common.
TORMENTILLA			Tormentil.
officinalis	863.	June, July.	Heaths and pastures, common.
reptans	864.	June, July.	Between Tunbridge Wells and Frant, and elsewhere on hedge banks, borders of fields, &c.
GEUM			Avens.
urbanum	1400.	June.	Hedges, woods, &c., common.
	CLA	ASS XIII. POLYA	ANDRIA.
		Order I. Monogr	YNIA.
PAPAVER		Papaveraceæ.	Poppy.
Argemone	643.	June.	Corn fields near Fisher's Castle, and in a corn field between Tunbridge Wells Common and Hurstwood, not common.
* hybridum	43.	July.	[In corn fields, not common. Forster.]
dubium	641.	July.	Riverhead; in a corn field be- tween Hamsell Forge and the Rock Wood, and elsewhere.
Rhœas	645.	July.	Wall tops, corn fields, &c., not common,
* somniferum	2145.	July.	[Not uncommon near houses, most probably escaped from cultivation. Forster.]
CHELIDONIUM			Celandine.
majus	1581.	May, June.	Back of the Old Chapel, Tun- bridge Wells, about Tunbridge Castle, and by the road side between Tunbridge Wells and Southborough; not unfrequent in hedges and waste places near houses.
HELIANTHEMUM		Cistineæ.	Rock Rose.
vulgare	1321.	July, Aug.	[On Harrison's and High Rocks. Forster.] Morant's Court Hill, above St. Clere, about Wrotham, and other places on the chalk.



POLYANDRIA.-Monogynia, &c.

Genera and Species.	Tab. of Eng. Botany.	Nat. Order. Time of Ftow.	English Name, Localities, and other remarks.
TILIA		Tiliacex.	Lime.
europæa	640.	July.	Woods and hedges. Forster.
grondifolia	2720. Sup	t. June, July.	Kidbrook by the Park pales, neither this nor the above are indigenous.
parvifolia	1705.	Aug.	Woods, &c., not unfrequent.
NYMPHÆA		Nymphaee a .	White Water Lily.
alba	765.	July.	Tunbridge, &c. In rivers, ponds and still waters, frequent.
NUPHAR			Yellow Water Lily.
lutea	159.	July.	Tunbridge and other places, not uncommon.
		Order 2. PENTAG	YNIA.
Helleborus		Ranuncalaeex.	Hellebore.
viridis	200.	April, May.	St. Clere, Mr. R. Scott; and at Bullenstone, Speldhurst.
DELPHINIUM			Larkspur.
Consolida	1839.	June, July.	In a corn field between Rusthall Common and the road to the High Rocks, where the Lolium temulentum grows, Mr. W. Reeves. Not indigenous.
AQUILEGIA			Columbine.
vulgaris	297.	June.	In Shatter's Wood near Lipscomb's Farm, and in a wood left of Pembury road, Mr. Bentty. By the stream near the High Rocks; at Wadhurst, &c., not unfrequent about Tunbridge Wells.
		Order 3. PolyG	YNIA.
THALICTRUM			Meadow Rue.
flavum	307.	June, July.	[In marshy ground. Forster.] Side of the Mill Pond at Suodland.
CLEMATIS			Traveller's Joy.
Vitalba	612.	May, June.	[Between Eridge and Boar's Head, in plenty. Forster.] Morant's Court Hill and elsewhere, on the chalk, common.
ANEMONE			Anemone.
nemorosa	355.	April, May.	In woods, common. A variety with bluish flowers grows in Hurst Wood.

POLYANDRIA.—Pologynia. DIDYNAMIA.—Gymnospermia.

Genera and Species.	Tab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
ADONIS			Pheasant's Eye.
autumnalis Ranunculus	308.	Sept., Oct.	[Once found in the corn field on the south side of the High Rocks. Forster.] Between Barming and Maidtsone, and between Maidstone and Aylesford. W. W. Reeves. Crowfoot.
aquatilis	101.	May, June.	Ponds, ditches, &c., common.
* eircinatus	2869. Supt.		[In watery ditches and rivers. Forster.]
* fluviatilis	2870. Supt.	Junc.	[In dccp rivers; at Tonbridge. Forster.]
hederaceus	2003.	Autumu.	Wet places and shallow pools, and where water has stood.
Flammula	387.	July, Aug.	Sides of ditches, &c., abundaut.
β		July, Aug.	In wet places.
Ficaria	584.	April, May.	Woods, pastures, &c., common.
auricomus	624.	April, May.	In woods and shady places, frequent.
sceleratus	681.	June.	Sides of ditches and wet places, common.
acris	652.	June, July.	Meadows, &c., very common.
rcpens	516.	June—Aug.	Meadows and pastures, very common.
bulbosus	515.	May.	Meadows and pastures, common.
hirsutus	1504.	June-Oct.	On Tunbridge Wells Common, and other places, not uncommon.
arvensis	135.	June.	Corn field between Tunbridge Wells Common and Hurst Wood, &c.
* parviflorus	120.	May, June.	[In the lane leading from Rust- hall Common to the High Rocks. Forster.]
CALTHA			Marsh Marigold.
palustris	506.	March-Junc.	Wet places, common.
*	CLA	SS XIV. DIDY	NAMIA.
		der 1. Gymnosij	
			Mint.
MENTHA		Menthoideæ.	Between Maidstone and Ayles-
sylvestris		Aug., Sept.	ford. Mr. W. W. Reeves.
rotundifolia	446.	Aug., Sept.	Retween Maidstone and Aylesford, Mr. H. W. Reeves.



DIDYNAMIA.—GYMNOSPERMIA.

Genera and Species.	Tab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
* viridis	2424.	Aug.	[In ditches near gardens. Fors-ter.]
hirsuta	447.	Aug., Sept.	Wet places, very common.
* acutifolia	2415.	Sept.	[On the banks of the Medway, and at Bayham Abbey. Forster.]
* rubra	1413.	Sept.	[On the right of the road leading from Groombridge to Buckhurst Park, on the way to Maresfield. Forster.]
* gentilis γ variega	2118. ta	Aug.	[On rubbish near gardens. Fore-ter.]
arvensis	2119.	Aug., Sept.	Corn fields, common.
* y præco	x	Aug., Sept.	[Betweeu Langton Green and Speldhurst Church. Forster.]
agrestis	2120.	Aug., Sept.	Corn fields, &c.
Pulegium	1026.	Aug., Sept.	Wet places, &c.
THYMUS		Satureine x.	Thyme.
Serpyllum	1514.	July, Aug.	Pastures, &c., common.
ORIGANUM			Marjoram.
vulgare	1143.	July, Aug.	In a hedge at the back of Mount Ephraim; Tunbridge Castle Mount; Morant's Court Hill, &e., common on the chalk.
TEUCRIUM		Ajugoidea.	Germander.
Scorodonia	1543.	July, Aug.	Woods, banks, heaths, &c., common.
AJUGA	•		Bugle.
reptans	489.	May, June.	Moist places, and in woods, com- mon.
Chanæpitys	77.	April, May.	Ightham, on the side of the hill above St. Clere. Mr. R. Scott.
BALLOTA		Nepeteæ.	Horehound.
nigra	46.	July, Aug.	Waste places, &c., frequent. [A variety with white flowers, near Speldhurst and Withyham churches, and on Tunbridge Wells race-ground. Forster.]
GALEOBDOLON			Weaselsnout.
luteum	787.	May, Junc.	In woods and hedges, generally, shady places, not uncommon.
GALEOTSIS	004 54	Oak	Hempnettle.
Ladanum	884. Sept.	. Uct.	[In dry corn fields. Forster.] Common in stubble fields, on the chalk.



DIDYNAMIA.—Gymnospermia.

Genera and Species.	Tab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
Tetrahit	207.	Aug.	Corn fields, &c., common; a var. with white flowers, in sandy places, not unfrequent.
* versicolor	667.	July, Aug.	[On the side of the road near Boar's Head, on the Eridge Road. Forster.]
LAMIUM			Dead Nettle.
album	768.	Spring & Summer.	
purpureum	769.	May—Sept.	Waste places, &c., common.
amplexicaule	770.	March—June.	Waste places, cultivated fields, and gardens.
BETONICA	2242	Y 1 4	Belony.
officinalis	1142.	July, Aug.	On the forests, in woods, &c., common. Mr. Forster states that a beautiful var. with large pink flowers is found on the sides of the road between Boar's Head and Crowborough, which I have never seen. I have seen it occasionally with white flowers.
STACHYS			Woundwort.
sylvatica	416.	July, Aug.	Woods and shady places, com-
palustris	1675.	Aug.	Watery and moist places, com- mon.
arvensis Nepeta	1154.	July, Aug.	Corn fields, &c., common. Cat Mint.
Cataria	137.	July, Aug.	Hedge banks, &c.
	101.	0 (11), 1100	Ground Ivy.
GLECHOMA hederacea	853.	April, May.	Hedge banks, waste places, &c., common.
MARRUBIUM			White Horehound.
vulgare	410.	Aug.	On the rocks, at Mount Ephraim, &c.
ACINOS			Basil Thyme.
vulgaris	411.	Aug.	In "lay" corn fields, on the chalk and elsewhere.
CALAMINTHA			Calamint.
officinalis	1676.	July, Aug.	On the sides of the Eridge road beyond the green. Forster, I eannot verify this habitat, but I have no doubt of its correct- ness. It is a common plant on the chalk.
Nepeta	1414,	Aug.	Speldhurst.



DIDYNAMIA.—GYMNOSPERMIA.—ANGIOSPERMIA.

Genera and Species,	Tab. of Eng.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
CLINOPODIUM			Wild Basil.
vulgare	1401.	Aug.	[On the Rocks, and sides of fields, very commou. Forster.] A common hedge plant on the chalk.
PRUNELLA			Self Heal.
vulgaris	961.	July, Aug.	Very eommon.
SCUTELLARIA			Skull Cap.
galericulata	523.	July, Aug.	Banks of rivers, and in boggy places, frequent.
minor	524.	July, Aug.	In boggy places on the forests, common.
	Oı	der 2. Angiospe	RMIA.
BARTSIA		Serophularineæ.	Bartsia.
Odontites	1415.	July, Aug.	Road sides, waste places, poor pastures, and corn fields, common.
EUPHRASIA			Eye Bright.
officinalis	1416.	July.	Pastures, &c., abundant.
RHINANTHUS			Yellow Rattle.
Crista Galli	657.	June.	Meadows, &e., common.
MELAMPYRUM			Cow Wheat,
pratense	113,	July, Aug.	In woods, &c., common.
LATHRAEA		Orobaneheæ.	Tooth Wort.
Squamaria	50.	April, May.	In the Wilderness at St. Clere. Ightham, Mr. R. Seott; and Pratt's Bottom in the hedge. Joseph Woods, Esq.
PEDICULARIS		$Sehrophularine \textit{$\alpha$}.$	Louse Wort.
palustris	399.	June, July.	In wet boggy places.
sylvatica	400.	July.	Meadows, pastures and heaths, common.
ANTIRRHINUM			Snapdragon.
majus	129.	July, Aug.	Mayfield, Tunbridge, &c., generally on old walls.
Orontium	1155.	July, Aug.	[In coru fields, rare. Forster.] Corn fields near Maidstone. Mr. W. W. Reeves.
LINARIA			Toadflax.
Cymbalaria	502.	Summer.	On walls frequent, not indigenous.
spuria	691.	July-Sept.	Corn fields, frequent.
Elatine	692,	July—Sept.	Corn fields, common.

DIDYNAMIA.—Gymnospermia. TETRADYNAMIA.—Siliculosa.

Genera and Species.	Tab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
vulgaris	658.	Aug.	Corn fields, hedges, &c. common.
minor	2014.	June, July.	Corn fields, not uncommon.
SCROPHULARI	A		Figwort.
nodosa	1541.	July.	Woods and hedge sides, common.
aquatica	854.	July.	Sides of rivers and in wet places, common.
DIGITALIS			Fox Glove.
purpurea	1297.	June, July.	Woods, banks, &c., frequent.
SIBTHORPIA			Sibthorpia.
europæa	649.	July, Aug.	Waldron Down. Mr. Kippist.
VERBENA		Verbenace a.	Vervain.
officinalis	767.	July.	Road sides and waste places near houses, common.
OROBANCHE		Orolancheæ.	Broom Rape.
major	421.	June, July.	On the roots of furze and broom, frequent.
* elatior	568.	July, Aug.	[By the road to the High Rocks. Forster.]
minor	422.	July, Aug.	In clover fields, frequent.
CLASS XV. TETRADYNAMIA.			

Order 1. SILICULOSA

Coronopus		Crueiferæ.	Swine's Cress.
Ruellii	1660.	June—Sept.	Waste ground, not unfrequent.
THLASPI			Penny Cress.
* arvense	1659.	June, July.	[In corn fields, but rarely. Fors-ter.]
CAPSELLA			Shepherd's Purse.
Bursa Pastoris	1485.	Summer.	Very common.
TEESDALIA			Teesdalia.
nudicaulis	327.	May, June.	Sandy heaths.
LEPIDIUM			Pepper Wort.
campestre	1385.	July.	Corn fields, &c., frequent.
COCILEARIA			Horse Raddish.
Armoracia	2323.	May.	The outcast of gardens.
DRABA			Whitlow Grass.
verna	586.	March—May.	Banks, wall tops, rocks, &c. common.



TETRADYNAMIA.—SILIQUOSA.

TETRADINAMIA.—SILIQUOSA.				
Genera and Species.	Tab. of Eng Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.	
		Order 2. Siliqu	10 S A .	
DENTARIA		Ordor W Digital	Coral Root.	
bulbifera	309.	April, May.	On both sides of the stream near the High Rocks; in the wood at the High Rocks; at Mayfield, iu the hedge by the road side about a mile from Mark Cross and elsewhere. By the stream on both sides of the road a short distance from Hook Green towards Tunbridge Wells, near the lodge entrance to Bayham Abbey, &e.	
CARDAMINE			Bitter Cress.	
Amara	1000.	April—June.	In the wood near Penn's Rocks; Mayfield, &c. not unfrequent in wet shady places, particu- larly in woods.	
pratensis	776.	May.	Meadows, &e., common.	
hirsuta	492.	March-June.	On gravel and other places, com-	
flexuosa With		Mareh—June.	Shady ditches and sides of streams, not rare.	
BARBAREA			Winter Cress.	
vulgaris	443.	April—Oct.	Hedges and in pastures, frequent.	
NASTURTIUM			Cress.	
officinalis	855.	July.	(Water Cress.) Brooks and rivulets, common.	
terrestre	1747.	Juue—Sept.	By the road side to the High Rocks, and in a field behind the Sussex Tavern. Forster. Several places about Tunbridge Wells, not nacommon.	
amphibium	1840.	June—Aug.	Watery places, frequeut. Hedge Mustard.	
Sisymbrium officinale	735.	June, July.	Waste places, &c., common.	
* Sophia	963.	Aug.	[On rubbish and dung-hills. Forster.]	
thalianum	901.	April, May.	On walls, houses, dry banks, &c. Treacle Mustard.	
ERYSIMUM Alliaria	796.	May, June.	Shady hedges, &e., common. Wall Flower.	
Cheiri Cheiri	1934.	April, May.	Old walls; Tunbridge Castle; Mayfield; Bayham Abbey, &c.	



TETRADYNAMIA.—SILIQUOSA. MONADELPHIA.—PENTANDRIA, &c.				
Genera and To Species.	nb. of Eng. Botany.		English Name, Localities, and other remarks.	
HESPERIS	_	-	Dame's Violet.	
* matronalis	731.	May, June.	[In a field near Mount Pleasant in abundance, most probably escaped from the garden. Firster.]	
BRASSICA			Cablage Turnip.	
* Rapa	2176.	April, May.	[On the s'des of eorn fields. Forster.]	
* campestris	2234.	June, July.	[Among eorn and on the banks of ditches. Forster.]	
SINAPSIS			Muslard.	
arvensis	1748.	May, June.	Corn fields, common.	
alba	1677.	July.	Corn fields and waste places.	
nigra	969.	June.	Under hedges, &c., usually by streams.	
* tenuifolia	525.	July, Aug.	[On Tunbridge Castle and elsc-where. Forster.]	
RAPHANUS			Raddish.	
Raphanistium	856.	June, July.	Corn fields, common.	
	CLAS	ss XVI. MONAI	DELPHIA.	
Order 1. Pentandria.				
ERODIUM		Geraniaeeæ.	Stork's Bill.	
cieutarium	1768.	Summer.	Cn Tunbridge Wells Common and elsewhere, on dry soils, common.	
mosedatun	902.	June, July,	[On Mount Sion near Warwick House, and in Eridge Park near the Keeper's House. Forster.] I have gathered it on the Lew and near the old Workhouse, Rusthall Common, and in other places; an escape from cottagers' gardens.	
Order 2. DECANDRIA.				
GERANIUM			Crane's Bill.	
pratense	404.	June, July.	On the banks of the Medway near Maidstone.	
Iucidum	75.	June, July	On Boughton Rocks. Mr. W. W. Reeves.	
70bertianum	1486.	Summer:	Hedge sides, &c., common.	
molle	778.	April—Aug.	Not unfrequent, in pastures, on rubbish, &c.	



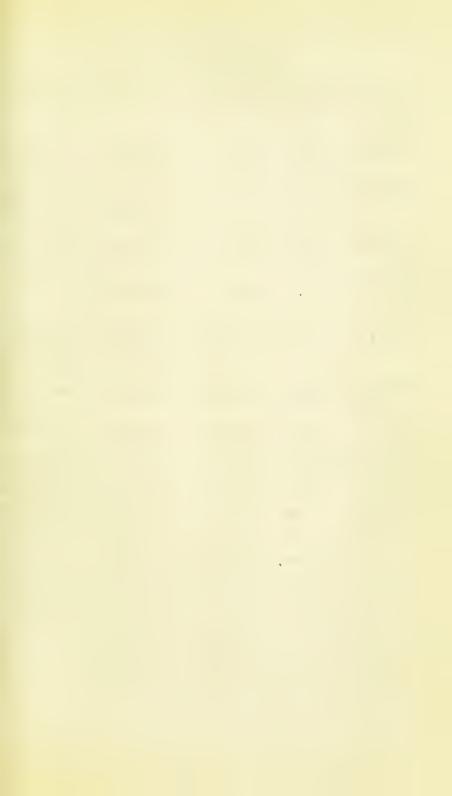
MONADELPHIA.-POLYANDRIA. DIADELPHIA.-HEXANDRIA, &c.

Genera and Species.	Tab. of Eng. Bolany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
pusillum	385.	June—Sept.	On Rusthall Common and elsewhere, in dry waste places, &c., frequent.
dissectum	753.	May, June.	Hedges, banks, and corn land, particularly among clover, &c.
columbinum	259.	June, July.	Near to the High Rocks and elsewhere.
		Order 3. POLYAN	DRIA.
MALVA		Malvaceæ.	
sylvestris	671.	June-Aug.	Waste places, &c., common.
rotundifolia	1092.	June-Sept.	Waste places, &c., common.
moschata	754.	July, Aug.	Meadows, pastures, road sides, &c., frequent.
ALTHÆA			Marsh Mallow.
officinalis	147.	Aug. Sept.	Beunenden, Rolvenden &c.
hirsuta	2674. Suj	pt. June, July.	Cuxton. J. Woods, Esq.
	CL	ASS XVII. DIAT	DELPHIA.
		Order 1. HEXAN	DRIA.
CORYDALIS		Fumariaecæ.	Corydalis.
lutea	588.	May.	[On walls at the Wells, near Rose Hill House. Forster.] On walls at Teston near the church, abundant.
elaviculata	103,	June, July.	[On the High Roeks, in the way from them to Rusthall Common, &c. Forster.] On Oldbury Hill, Ightham. Mr. R. Seott.
FUMARIA			Fumatory.
capreolata	943.	May-Aug.	Mount Sion and elsewhere, not uncommon.
officinalis	589.	Summer.	Cultivated fields, road sides, &c., eommon.
Order 2. OCTANDRIA.			
POLYGALA		Polygaleæ.	Milkwort.
vulgaris	76.	June, July.	Very common.
, 418		Order 3. DECAN	DRIA.
ULEX		Leguminosæ.	Furze.
europæus	742.	Spring-Aut.	Tunbridge Wells Common, &c.
nanus	743.	Autumn.	On the forests, &c., common.

L

DIADELPHIA.-DECANDRIA.

	Nat. Order. Time of Flow.	English Name, Localines, and other remarks.
	_	Green Weed.
44.	July, Aug.	Pastures, thickets, &c., frequent.
208.	May & Sept.	Plentiful on the high part of the forest near the branching of the road from Maresfield to Groombridge and to Hartfield, first observed by Mr. Hanley.
132.	June.	On the forests, &c., common.
		Broom.
1339.	June.	Lanes, heaths, bushy places, &c frequent.
		Restharrow.
-	. June -Aug.	Barren pastures, &c., common.
s, D.C.)		
682.	June—Aug.	Barren pastures, &c.
C. and E.1	B.)	
		Kidney Vetch.
104.	June—Aug.	Allington, Mr. W. W. Reeves. Morant's Court Hill, Wrotham, &c., common on the chalk.
		Bitter Vetch.
1153.	May, June.	Woods, thickets, hedge sides, &c.
	May, June.	Forest heaths.
		Everlasting Pea.
112.	May.	Grassy, borders of fields, not common; likely to be over-looked unless in flower.
670.	July, Aug.	Meadows, pastures, &c., com-
805.	July, Aug.	Sandling, near Maidstone. J. Woods, Esq.
1108	July, Aug.	Fant Woods, near Maidstone. Mr. W. W. Reeves.
		Vetch.
1168.	July, Aug.	Hedges and bushy places, com- mon.
331.	June.	Cultivated ground, &c., not un- common.
2614. Supt.	June.	Dry pastures, &c., very common.
1515.	June, July.	Woods and shady hedge sides, &c., frequent.
	208. 132. 1339. 2659. Suptts, D. C.) 682. C. and E.l 104. 1153. 112. 670. 805. 1108 1168. 331.	44. July, Aug. 208. May & Sept. 132. June. 1339. June. 2659. Supt. June — Aug. 3, D. C.) 682. June— Aug. C. and E.B.) 104. June— Aug. 1153. May, June. May, June. 112. May. 670. July, Aug. 805. July, Aug. 1108. July, Aug. 1108. July, Aug. 334. June. 2614. Supt. June.



DIADELPHIA.-DECANDRIA.

		2.	JOHN DRIM.
Genera and Species.	ab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
ERVUM		_	Tare.
hirsutum	970.	June.	Corn fields, &c., frequent.
tetraspermum	1223.	June.	Moist corn fields, hedges, &,
ASTRAGALUS			Milk Vetch.
Glycyphyllus	203.	July	Near Allington Castle, and by the hedge in a field near East Farleigh. Mr. W. W. Reeves.
ORNITHOPUS			Bird's Foot.
perpusillus	369.	June.	On Tunbridge Wells Common and other dry places, common.
Hippocrepis			Horseshoe Vetch.
comosa		July.	Common on the chalk about Wrotham, &c.
Onobrychis			Saintfoin.
sativa	90.	June, July.	[On the south side of the Great Rocks, most probably from sced sown. Forster.] Not unfrequent on the chalk.
MELILOTUS			Melilot.
officinalis TRIFOLIUM	1340.	Juue, July.	Bushy places, road sides, &c., frequent. Trefoil.
	1769.	Summer.	(Dutch Clover.) Meadows, &c.,
repens	1103.	Summer.	common.
subterraneum	1048.	May.	Dry pastures, frequent.
* ochroleucum	1224.	July, Aug.	[On the High and Harrison's Rocks. Forster.]
pratense	1770.	Summer.	Meadows and pastures, frequent.
medium	190.	July.	On the bank by a small pond near Boar's Head, and several other places, common in the Weald.
scabrum	903.	May, June.	Dry sandy places, &c., not un-
arvense	944.	July, Aug.	Corn fields and on the rocks, and other dry places, frequent.
* striatum	1843.	June.	[Near the Race Ground at Tun- bridge Wells. Forster.]
fragiferum	1050.	July, Aug.	Moist pastures, road sides, &c.
procumbens	945.	June, July.	Dry pastures and corn fields, frequent.
filiforme	1256.	June, July.	Dry pastures, road sides, &c.
β microphyllu	ım 1257.Spt	. June, July.	Dry pastures, &c.



POLYADELPHIA.-POLYANDRIA. SYNGENESIA.-ÆQUALIS.

Genera and Species.	ab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
Lorus	_	_	Bird's Foot Trefoil.
corniculatus	2090.	July, Aug.	Meadows, pastures, &c., com- mon.
tenuis (deeumbens.	2615. Supt Forst.)	July.	Near Mr. Sloper's farm, not far from Tunbridge. Forster.
major	2091.	July, Aug.	Sides of ditches and moist bushy places, common.
MEDICAGO			Medick.
sativa	1749.	June, July.	(Lucerne.) Meadows, originally cultivated. Forster. Abundant at the back of Mount Ephraim, &c.
lupulina	971.	May, Aug.	Waste grounds and eultivated fields, common.
macu'ata	1616.	May, June.	Sandy and gravelly wastes, under walls, &c., not common.

CLASS XVIII. POLYADELPIIIA.

Order 1. POLYANDRIA.

Hypericum		Hypericinica.	St. John's Wort.	
Androsæmum	1225.	July.	Hedge banks, woods, &c. frequent in all parts of the Weald	
quadrangu'um	370.	July.	Hedge sides and moist places, common.	
perforatum	295.	July.	Very common.	
humifusum	1226.	July.	Heaths; on the forests, and in boggy pastures, frequent.	
montanum	371.	July.	Near Bessell's Green, Sevenoaks.	
h [:] rsutum	1156.	July.	Speldhurst; Tunbridge, &e., not uneominou.	
pulehrum	1227.	July.	Dry woods, heaths, &e., common	
elodes	109.	July, Aug.	In bogs on the forests, &c., com- mon.	

CLASS IX. SYNGENESIA.

Order 1. ÆQUALIS.

TRAGOPOGON		Cichoraceæ.	Goat's Beard.
minor, D.C.		June.	Borders of fields, &c. frequent.
pratensis	43 '	June.	Framfield. Mr. Lingwood.
HELMINTHIA			Ox Tongue.
echioides	9~2.	June, July.	Waste places and borders of



SYNGENESIA.—ÆQUALIS. .

Genera and Species.	Tab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other vemarks.
Picris		_	Pieris.
hieracioides	196.	June, July.	Waste places, by road sides, &c., most frequent on the chalk.
APARGIA			Hawkbit.
hispida	554.	June, July.	Mcadows, pastures, and heaths, frequent.
autumnalis	830.	Aug.	Meadows and pastures, frequent.
THRINCIA			Thrincia.
hirta	555.	July, Aug	Sandy and dry pastures, com-
Hypochenis			Cat's Ear.
glabra	575.	July, Aug.	On Tunbridge Wells and Rust-hall Commons.
β Balbisii B (H. Balbi		July, Aug.	Sandy ground between Seven- oaks and the Wilderness. Mr. Borrer.
radicata	831.	July.	Pastures, hedge banks, &c.
LACTUCA			Lettuce.
* virosa	1957.	Aug.	[Hedges and walls. Forster.]
muralis	457.	July.	On walls and in woods, common.
CREPIS			Hawk's Beard.
virens (C. tectorum	1111. n E.B.)	July.	Dry pastures, meadows, roofs of cottages, &c., common.
biennis Linn.	149.	June, July.	Morant's Court Hill. Mr. Borrer. According to Mr. Borrer, the seed in the Eng. Bot. fig. 149, seems to belong to Bork. tar- axacifolia.
Sonchus			Sow Thistle.
arvensis	674.	Aug.	Corn fields.
oleraceus	843.	June-Aug.	Cultivated ground, common.
asper	2765. Sup	t. Junc -Aug.	Cultivated ground and hedges.
LEONTODON			Dandelion.
Taraxacum	510.	Summer.	Very common.
*β palustre (L. palust	553. re E.B.)	Summer.	[In moist moors and marshes. Forster.]
BORKHAUSIA			Borkhausia.
taraxacifolia		June, July.	Road side by Smockham Mill Pond. Mr. Borrer.
fœtida	406.	July.	Here and there on the chalk hills from Knockholt to Wrot- ham. Jos. Woods, Esq.

SYNGENESIA.-AEQUALIS.

Genera and Species.	Tab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
HIERACIUM			Hawkweed.
Piloschla	1093.	May-July.	Dry pastures, heaths, & wall tops.
murorum	2082.	July, Aug.	In a lanc at Cowden. Mr. E. Forster. Wood near Southborough, &c.
sylvaticum	2031.	Aug.	Old Tye Common. Mr. Borrer.
boreale Fries (sabaudun	n E.B.)	Aug., Sept.	Wood sides and hedges.
umbellatum			Heaths, woods and hedge banks.
rigidum (Ha	rt.) Bab.	July, Aug.	Road side between Eridge Green and Boar's Head, and here and there on the forests.
Lapsana communis	844.	July, Aug.	Nipple Wort. Garden ground, waste places, &c., common.
CICHORIUM	520	Tules Ann	Succory.
Intybus	539.	July, Aug.	Road sides: Maidstone; Wrotham, and other places, common on the chalk.
ARCTIUM		Cinarocephalæ.	Burdock.
Lappa		July, Aug.	Waste places and way sides.
Bardana (Lappa β F	Iook.)	July, Aug.	Waste places, hedges, &c.
SERRATULA			Saw Wort.
tinctoria	38.	August.	Heaths and woods.
CARDUUS			Thistle.
nutans	1112.	July, Aug.	Waste grounds in dry stony soil, common on the chalk.
acanthoides	973.	June, July.	Wastes, road sides, &c., most frequent on the chalk.
Marianus	976.	July.	Tunbridge Wells Common.
Cnicus		T 1 A	Plume Thistle.
lanceolatus	107.	July, Aug.	Road sides, wastes, and hedges.
palustris	974.	July.	Boggy places, woods, meadows and pastures.
arvensis	975.	July.	Corn fields, wastes, and neglected pastures.
Forsteri		July, Aug.	In the wood, left of the road from TunbridgeWells to Frant; first observed by Mr. T. F. Forster. A single plant was once found among C. pratensis, by the road from TunbridgeWells to Eridge Green by Mr. Borrer.
pratensis	177.	July.	Springy places on the forests and elsewhere, frequent.
acaulis	161.	July.	Open downs, &c., common or the chalk.



SYNGENESIA .- ÆQUALIS. SUPERFLUA.

Genera and Species.	Tab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, an other remarks.
Ornorordum			Cotton Thistle.
* Acanthiun	n 977.	August.	[On rubbish and road sides
CARLINA			Carline Thistle.
vulgaris	1144.	June.	Rusthall Common, &c.
BIDENS		Corymbiferæ.	Bur Marigold.
cernua	1114.	June-Aug.	Sides of ponds, bogs, &c.
tripartita	1113.	July.	Sides of ponds and watery places
EUPATORIUM			Hemp Agrimony.
cannabinum	428.	July, Aug.	Wet hedges and other water;
		Order 2. Super	RELUA.
TANACETUM			Tansey.
vulgare	1229.	August.	About Wrotham and elsewhere frequent on the banks o streams, &c.
ARTEMISIA			Wormwood, Mug Wort.
* Absinthium	n 1230.	August:	[Harrison's Rocks & elscwhere Forster.]
vulgaris	978.	August.	Road sides, &c.
GNAPHALIUM			Cud Weed.
sylvaticum β rectum (G. rectu	124. im- E. B)	August.	Near Harrison's Rocks, Eridge Park, and near the High Rocks. Forster. Woods and pastures, not unfrequent.
uliginosum	1194.	August, Sept.	Wet places, common.
FILAGO			Filago.
minima	1157.	Junc-Sept.	Dry waste places, frequent.
germaniea	946.	June, July.	Dry corn fields, pastures, &c.
PETASITES			Butter Bur.
vulgaris Tussilago	431.	April, May.	Near Penshurst & Summer Hill. Forster. Here and there in wet meadows, and on river banks. Colt Foots
Farfara	429.	March, April.	Very common.
EIGERON	100.	Tauton, mynn.	Flea Bane.
acris	1158.	August.	Dry pastures, banks, and wall tops, chiefly in the chalk district.



SYNGENESIA.—SUPERFLUA.

Genera and Species.	Tab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
SENECIO		_	Groundsel.
vulgaris	747.	Summer.	Waste and eultivated grounds, very common.
* viseosus	32.	July, Aug.	[Onee found on Mount Sion, Tunbridge Wells. Forster.]
sylvatieus	748.	July.	Dry banks, pastures, and heaths.
tenuifolius	574.	July, Aug.	Hedges and road sides, frequent.
Jaeobæa	1130.	July, Aug.	Way sides and neglected pas- tures, common.
aquatieus	1131.	July, Aug.	Wet wastes, sides of rivers, ditches, &e,
Solidago			Golden Rod.
Virgaurea	301.	July-Sept.	Woods, thickets, &c., common.
INULA			Ellecampane.
* Helenium	1546.	July, Aug.	[On the walls of Summer Hill garden. Forster.]
Conyza	1195.	Sept., Oet.	[High Rocks. Forster.] Morant's Court Hill, and elsewhere on hedge banks, &c., on the chalk.
Pulicaria			Flea Bane.
dysenterica	1115.	August.	Wet places by way sides, &c., frequent.
vulgaris	1196.	September.	Edges of ponds and places where water has been stagnant, frequent.
Bellis			Daisy.
perennis	424.	SprAut.	Pastures, &c., everywhere.
CHRYSANTHE	MUM		Ox Eye.
Leueanthen	nım 601.	June, July.	Pastures & wet places, frequent.
segetum	540.	June—Aug.	Corn fields, &e.
PYRETHRUM			Feverfew.
Parthenium	1231.	July.	Hedges & waste places, frequent.
inodorum	676.	Aug.—Oct.	Corn fields and road sides, every- where.
MATRICARIA			Wild Chamomile.
Chamomilla	1232.	August.	Corn fields and waste grounds, common.
ANTHEMIS			Chamomile.
nobllis	980.	August.	Dry pastures and waste places.
« arvensis	602.	July.	[Near Withyham. Forster.]
Cotula	1772.	July, Aug.	Corn fields & waste places, com-



SYNGENESIA.-FRUSTRANEA. GYNANDRIA.-MONANDRIA.

Genera and Species	Tab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
ACHILLEA			Yarrow.
Ptarmica	757.	July, Aug.	Moist meadows, sides of ditches, and other moist places.
Millefolium	758.	Summer.	Pastures, way sides, &c., com.

Order 3. FRUSTRANEA.			
CENTAUREA		Cinarocephalae.	Knapweed.
nigra	278.	June-Aug.	Road sides, meadows, &c., com.
β(C. nigres	willd.)	June-Aug.	Meadows, &c., not common.
Cyanus	277.	July, Aug.	About Kemsing, Wrotham, and other places on the chalk, frequent.
Scabiosa	56.	July, Aug.	Corn fields, &c., not uncommon. Forster. By road sides and edges of corn fields; on the chalk, frequent.

CLASS XX. GYNANDRIA.

Order 1. MONANDRIA.

ORCHIS		Orchideæ.	Orchis.
Morio	2059.	June.	Meadows and pastures, common.
mascula	631.	June.	Woods and pastures, frequent.
ustulata	18.	Junc.	Here and there on the chalk districts between Knockholt and Wrotham.
fusca	16.	May.	On the chalk above Westerham, near Knockholt, &c., and in woods near Fawkham. Joseph Woods, Esq.
hircina	34.	July.	Near Knockholt.*
pyramidalis	110.	July.	Morant's Court Hill and other places on the chalk.
latifolia	2308.	June.	Wet meadows and marshyplaces, not common.
maculata	632.	June, July.	Pastures, heaths, and on the forests, common.

^{*} I insert this on the information of Mr. R. Scott, who saw a living specimen that had been gathered near Knockholt, by a gardener formerly living at Chevening. The author would be pleased to hear from any person who might be fortunate enough to meet with it again.

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GYNANDRIA.-MONANDRIA.

Genera and T Species	ab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
GYMNADENIA conopsea	1202.	June—Aug.	Fragranl Orchis. On all the forest district, very common.
HABENARIA albida	505.	June, July.	Habenaria. On Ashdown Forest, near Nutley, discovered in 1839, by Jos.
bifolia	2806.Su	pt. June, July.	Woods, Esq. On the forest district, common.
chlorantha	22.	June, July.	In the woods near Boar's Head Rocks, very fine; in the hedges about Bidborough, and in an old marl pit in the meadow left of the road from Southborough to Tunbridge. Sir William Hooker refers this to O.bifolia. It differs not only in the diverging anthers, but in the leaves and colour, and is much larger.
Aceras anthropophora	29.	June.	Man Orchis. Here and there on the line of chalk hills from Knockholt to Wrotham.
HERMINIUM monorchis	71.	June, July.	Musk Orchis. In an old pit on Morant's Court Hill.
OPHRYS apifera	383.	July.	Ophrys. Bee Ophrys. In a field near Cross in Hand with Chlora perfoliata. Jos. Woods, Esq. Morant's Court Hill and other
mucifera	64.	June,	places on the chalk. Fly Ophrys. In the Fant woods, and at Allington, near Maidstone. W.W. Reeves. Morant's Court Hill and elsewhere; frequent on the chalk.
NEOTTIA spiralis	541.	Aug. Sept.	Ladies' Tresses. Withyham. Forster. Near Fisher's Castle, Tunbridge Wells. Mr.W.W. Reeves. Tunbridge Wells Common. Mr. J. Nash. Waldron Down & other places, not common in the Weald.
LISTERA ovata ↑ Nidus avis	1548. 48.	Junc. May, June.	Tway Blade. Woods, &c., frequent. Bird's nest. Near the little brook by the High Rocks towards Rusthall Common. Forster. In the wood, left of the road from Tunbridge Wells to Woodsgate. Mr. Bentley. And in the wood by the High Rocks.



MONŒCIA.-MONANDRIA.

Genera and Species.	Tab. of Eng.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
EPIPACTUS			Heleborine.
latifolia	269.	July, Aug.	In woods and shady places about Mayfield, Waldron, and other parts of the Weald.
grandiflora	271.	June.	Morant's Court Hill, Fant Woods near Maidstone, Fawkham, and elsewhere on the chalk, not uncommon.
MALAXIS			Bog Orchis,
paludosa	72.	July, Aug.	Forster inserted this in the Flora Tonbridgensis as growing at Tunbridge Wells, on the authority of Ray. I found it in Pressbridge Warren, near Wyeh Cross Ashdown Forest, in July, 1841; and in abundance on the great bog near Kidbrook Park pales, in July, 1842.

CLASS XXI. MONŒCIA.

Order 1. MONANDRIA.

EUPHORBIA		Euphorbiace a.	Spurge.
helioscopia	883.	July, Aug.	Cultivated and waste ground, eommon.
platyphylla	333.	July, Aug.	Onec found in a corn field near the High Rocks. Forster. Wad- hurst. J. Woods, Esq. In a corn field between Rusthall Commou and the road to the High Rocks; & between Cran- brook and Hawkhurst, &e.
exigua	1336.	July.	Corn fields, common.
Peplus	959.	July, Aug.	Cultivated ground.
amygdaloides	256.	March, Apr.	Woods and thickets, common.
CALLITRICHE		Halorageæ.	Water Starwort.
verna	722.	April, May.	Ditehes, ponds and slow streams, eommon.
platycarpa	2732. Spt.	June—Oct.	In springy places and in ditches, &c., nearly dried up in summer. Forster's plant C. autumnalis is doubtless either a var. of C. verna, or possibly the sessile fruited var. of C. pedunculata, Brit. Flora. I have not seen it in this district, but Mr. Borrer finds it at Tilgate and on Plummer's Plain, it is therefore not unlikely to be met with here.



MONŒCIA.-TRIANDRIA.

Genera and 7 Species.	Cab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
ZANNICHELLIA		Naiades.	Horned Pond Weed.
palustris	1844.	August.	Ditches and stagnant waters common.
		Order 3. TRIAN	DRIA.
Турна		Aroideæ.	Cat's Tail.
latifolia	1455.	July, Aug.	Bayham Abbey. Forster. Borders of ponds, &c., not unfrequent. A var. of this occurs at Maresfield mill pond, with the leaves as narrow as those of T. angustifolia, the sterile and fertile catkins scarcely distant and as large as in T. latifolia.
angustifolia	1456.	July.	Pond in Buckhurst Park, near the mill. Forster.
SPARGANIUM			
ramosum	744.	July.	Ditches and stagnant waters, common.
simplex	745.	July.	Ditches and staguant waters, frequent.
CAREX		Cyperace a.	Sedge.
* diocia	543.	May, June.	[On the peat bogs on Waterdown Forest. Forster.]
pulicaris	1051.	May, June.	Bogs, &c., common.
stellulata	806.	May, June.	Bogs on the forests, &c., com.
ovalis	306.	June.	On the forests and in wet and boggy places, common.
curta	1386.	June.	In the damp part of the woods near Frant, and in the little wood behind the Sussex Ta- vern. Forster. In boggy places, not common.
remota	832.	June.	Moist ditch banks.
muricata	1097.	May, June.	Hedge sides and moist pastures.
divulsa	629.	May, June.	Moist shady pastures and hedge sides, common.
vulpina	307.	June.	Bogs, banks of ditches & rivers.
paniculata	1604.	June.	Swampy bogs, common.
Goodenooii (cæspitosa C	1507. Good. E. B.)	May, June.	Moist meadows and other wet places.
acuta	580.	May.	In watery places and wet meadows. Forster. By marsh ditches, &c.



MONŒCIA,-MONANDRIA. TETRANDRIA.

	MONUEC	IA,—MONANDRIA	. TETRANDRIA.
Genera and Species.		Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
flava	1294.	May, June.	In wct boggy places, in woods, and on the forests, &c., com.
Œderi	1773.	May, June.	Blackboy's Common. J. Woods. Esq. Mr. Borrer however, informs me, that the supposed. Sussex C. Œderi is only a starved state of C. flava. Can the two be distinct?
palleseons	2185.	Junc.	Waterdown Forest, woods near the High Rocks, and other places, common.
biuervis	1235.	June.	On the forests, abundant.
lævigata	1387.	June.	In the woods, &c., frequent. At small state of this (which has been confused with <i>C. distans</i>) grows in the meadow between Tunbridge Wells Common and the Hurst Wood.
panicea	1505.	June.	On the forests, &e., eommon.
strigosa	994.	May, June.	Ticehurst. J. Woods, Esq. Cran-brook, &c., rare.
·sylvatica	995.	May, June.	In moist woods, &c., eommon.
pendula	2315.		Moist woods and shady places, frequent.
Pseudo cyper	us 242.	June.	Banks of rivers, &e.
glauca (recurva E.	1506. B. & Hooker	June. .)	Very common.
præcox	1099.	April, May.	Dry heaths, banks and pastures.
pilulifera	885.	June.	Heaths, and on the forests, com.
hirta	685.	May. June.	In moist shady places, not un- common.
ampullacea	780.	June.	Watery bogs.
vescicaria,	779.	May, June.	In Benhill mill pond and else- where.
paludosa	807.	May.	Banks of rivers, &c., frequent,
riparia	579.	May.	Edges of ponds, banks of rivers, &e.
		Order 4. Tetran	DR1A.
LITTORELLA		Plantagineæ.	Shore Weed.
lacustris	468.	June.	Pond on Pilt Down.
ALNUS		Amentace x.	Alder.
glutinosa Buxus	1508.	March, April. Euphorbiaceæ.	Moist grounds by water, frequeut. Box.

Sheffield Forest, looking as if wild. Mr. Lingwood.

1341 April.

sempervireus

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MONŒCIA.-PENTANDRIA,-POLYANDRIA.

	DIGITAL	OIA.—I ENTANDRIA,	-POLYANDRIA.
Genera and Species.	Tab. of Eng Botany.	g. Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
URTICA		$Urtice \underline{x}.$	Nettle.
urens	1236.	June-Oct.	Waste places and cultivated ground, common.
dioica	1750.	July, Aug.	Waste places under walls, &c.
AMARANTHUS		Aramanthacca.	Amaranth.
* Blitum	2212.	August.	[In cultivated places and dung hills. Forster.]
BRYONIA		Cucurbitacea.	Bryony.
dioica	439.	May.	Thickets and hedges, common.
		Order 7. POLYAN	DRIA.
CERATOPHYLLU	M	Ceratophylleæ.	Horn Wort.
* demersum	947.	July,	[In the fish pond in the wood behind the Sussex Tavern.]
MYRIOPHYLLUM	1	Halorageæ.	Water Milfoil.
spicatum	83.	July, Aug.	Ditches and stagnant water.
verticillatum	218.	July.	Pond on Ashdown Forest, near Wood's Nursery, and elsewhere in ponds and ditches.
SAGITARIA		A lismace x.	Arrow Head.
sagittifolia	84.	July, Aug.	[At Tunbridge. Forster.] Yalding, Wateringbury, and between Maidstone & Aylesford.
ARUM		Aroideæ.	Cuckow Pint, or Wake Robin.
maculatum ·	1298.	April, May.	Woods and hedges, common.
Poterium		Rosaceæ.	Salad Burnett.
Sanguisorba	860.	July.	[In the fields near the High Rocks Forster.] Common on the chalk; Morant's Court Hill,&c.
QUERCUS		Amentacex.	Oak.
Robur	1342.	April, May.	Woods, hedges, &c.
sessiliflora	1845.	April, May.	Withyham. Forster. Hill Park,

Woods, hedges, &c.
Withyham. Forster. Hill Park, near Westerham; Sheffield Park, at Eridge, and elsewhere. Dr. Lindly affirms that Q. sessiliflora is as superior to Q.Robur in the quality of its timber, as it is iu beauty and vigour of growth. Syn. of Brit. Flora. Cooper also has some excellent remarks on this subject in the Appendix to the History of Sussex, vol. ii, p. 6, under the head "Botany." The wood of this tree is usually called chesnut by carpenters, and it deserves the consideration of nurserymen and planters.



	MONŒCIA.—Po	DLYANDRIA.	DIŒCIADIANDRIA.
Genera and Species.	Tab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
Fagus	_	_	Beech.
sylvatica	1846.	April, May.	Woods and hedges, common.
CASTANEA			Chestnut.
_	886. lastanea E. B.)	May.	On Harrison's Rocks. Forsters Uckfield. Wm. Borrer, Esq. and elsewhere, but probably introduced.
BETULA			Birch.
alba	2198.in par	rt April, May.	Very eommon.
glutinosa Bab. N		rt April,May.	This tree, whether species of variety, is equally commor with the last.
ALMUS			Alder.
glutinosa	1508.	March.	Wet places, river banks, &c. common.
CARPINUS			Hornbeam.
Betulus	2032.	May.	In woods and hedges, near Groombridge, &e. Forster.
CORYLUS			Hazel Nut.
Avellana	723.	March, April.	Hedges, woods, &c., abundant.
	0	rder 8. Mono	DELPHIA.
Pinus		Conifer a.	Scotch Fir.
sylvestris	2460.	May, Juue.	Queen's Grove, TunbridgeWells not indigenous. Forster. On the forests, self sown in abundance from plantations.
	CI	LASS XXII. I	DIŒCIA.
		Order 1. DIA	NDRIA.
Salix (1)		Amentaceæ,	Willow.
* triandra	1435.	May—Aug.	[In the way from the Wells to the High Rocks. Forster.]
Hoffmann	iana 2620. Supt	. May.	At the back of Mount Ephraim.
	-		and allowed towards the

May.

April, May.

* amygdalina

decipiens

fragilis

1936.

1937.

1807.

Apr., May, & Aug. [Near Speldhurst, towards the

Forster.

Forster.

Wells. Forster.]

In the wood behind the Cold

Near Speldhurst and elsewhere.

⁽¹⁾ I cannot pretend to any accurate acquaintance with this puzzling genus 1 have given all Forster's stations.



DIŒCIA .- DIANDRIA.

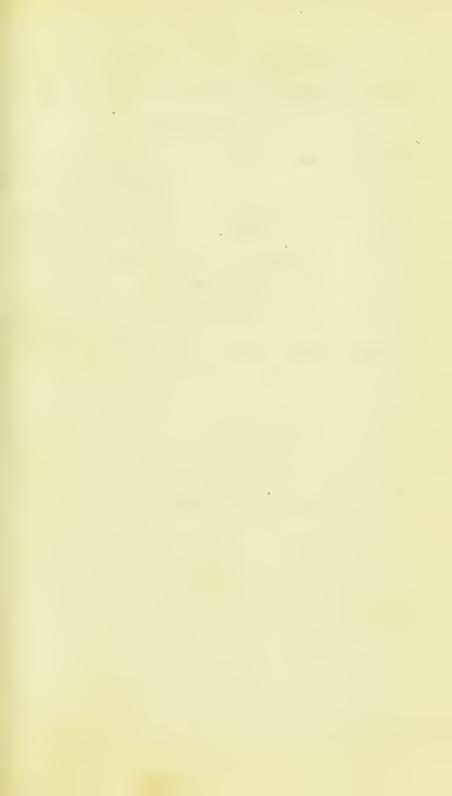
	b. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localitics, and other remarks.
Russelliana	1808.	April, May.	At Speldhurst and elsewhere. Forster.
alba	2430.	May.	In the lane from Summer Hill- House to Tunbridge. Forster.
β (cærulea E. B.)	2431.	May.	Not far from Tunbridge, and on the Maidstone road from Woods- gate. Forster.
vitellina	1389.	May.	Near the Cold Bath on Rusthall Common, and at Tunbridge. Forster.
* rosmarinifolia	1365.	August.	[In Abergavenny Park, on the side of the bog near the warren towards the Rocks. Forster.]
fusca β repens	183.	April, May.	On the forests, &c., common.
* y prostrata	1959.	April, May.	[Believed to be once found in a wood near Baybam Abbey. Forster.] Probably S. ambigua, Eng. Bot. Sup. 2733. Mr. Borrer.
ð (fætida,E.Fl. adcender		April, May.	On the forests. A var. with smaller leaves, S. parviflora, E. B. 1961, on Waterdown Forest. Forster.
³ 2 (argentea)	1364.	April, May.	On the left of the road from Frant to the Wells. Forster.
viminalis	1898.	April, May.	In Osier grounds and wet places- Forster.
* Smithiana (S. molissima	1509. E. B.)	A pril, May.	[Near Speldhurst. Forster.]
* acuminata (2)	1434.	April	[In damp woods and bedges- Forster.]
cinerea	1897.	April.	In woods, very common. Forster.
aquatica	1437.	April.	In woods and wet hedges, very common. Forster.
oleifolia	1402.	March.	Near Speldhurst. Forster.
aurita	1487.	May.	1n woods and wet hedges; on the bogs, very common. Fors- ter.
caprea	1488.	April, May,	In damp woods and hedges, very common. Forster.
* nigricans	1213.	April.	[In the wood at the Cold Bath on RusthallCommon. Forster.]
* bicolor	1806.	April.	[Near Bayham Abbey. Forster.]

⁽²⁾ Mr. Borrer thinks it probable that Forster's plant is S. riugosa of Babington's Manual—S. holosericea, Brit. Flora.



DIŒCIA.-TRIANDRIA. ENNEANDRIA.

Genera and Species.	Tab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and sother remarks.
	_	Order 2. TRIAND	ORIA.
Ruscus			
aculeatus	560.	Smilaceæ.	Butcher's Broom.
aculeatus	990.	March, April.	Foord's Green, near Nutley, in abundance.
		Order 3. TETRANI	DRIA.
VISCUM		Loranthex.	Misseltoe.
album	1470.	March—May.	On Pyrus Aria at Bidborough; and I once saw it on Hazel at Groombridge. Eridge Park; Buckhurst Park, and elsewhere on Hawthorn, Apple Trees, &c.
MYRICA		Myrice x.	Sweet Gale.
Gale	562.	May.	Waterdown Forest. Abundant by the bridge on the road to: Bell's Ewe Green, and on each side of the stream from thence to Benhill Water Mill.
		Order 4. PENTAN	DRIA.
Humulus		Urticeæ.	Hop.
Lupulus	427.		Hedges, &c., frequent.
		Order 5. HEXAND	DRIA.
TAMUS		Smilaceæ.	Black Bryony.
communis	91.	June.	Hedges and thickets, common.
		Order 6. OCTAND	RIA.
Populus		Amentacæ.	Poplar.
alba	1618.	April.	Woods and plantations. Forster.
* canescens	1619.	March,	[In damp places. Forster.]
tremula	1909.	March, April.	In moist woods, frequent.
nigra	1910.	April.	[Queen's Grove, Tunbridge Wells, Forster.] This occurs here and there, but always planted.
		Order 7. ENNEAN	DRIA.
MERCURIALIS		Euphorbiaceæ.	Mercury.
perennis	1872.	April, May.	Woods, &c., very common.
annua	559.	August.	Waste places, and on rubbish,
Hydrocharis		Hydrocharide.	frequent. Frog Bit.
Morsus Ranæ	808.	July.	Yalding: Tudely, &c., not frequent.



DIŒCIA.-Monadelphia. POLYGAMIA.-Monœcia.

Genera and Species.	Tab. of Eng. Botany.	Nat. Order. Time of Flow.	English Name, Localities, and other remarks.
_	_	_	

Order 8. MONADELPHIA.

Juniperus		Coniferæ.	Juniper.
communis	1100.	May.	[On heaths, not uncommon. Forster.] Abundant on the hills above St. Clare, and from thence to Wrotham.
TAXUS			Yew.
baccata	740.	March.	Harrison's Rocks, High Rocks, &c.

CLASS XXIII. POLYGAMIA.

Order 1. Monœcia.

ATRIPLEX		Chenopodeæ.	Orache.
patula	936.	July.	Cultivated and waste ground, dunghills, &c., common.
angustifolia	1774.	July.	Cultivated and waste ground, &c.

END OF THE PHÆNOGAMOUS PLANTS.

CRYPTOGAMIA.

CRYPTOGAMOUS PLANTS.

Figured round from left to right, beginning with Diphyscium, which forms the centre of the group.

Diphyscium foliosum Pterogonium gracile Hypnum undulatum Pillularia globulifera Hookeria luceus Ceterach officinarium

Polypodium Phægopteris

Osmunda regalis Bryum ligulatum Equisetum sylvestre Asplenium lanceolatum Botrychium Lunaria

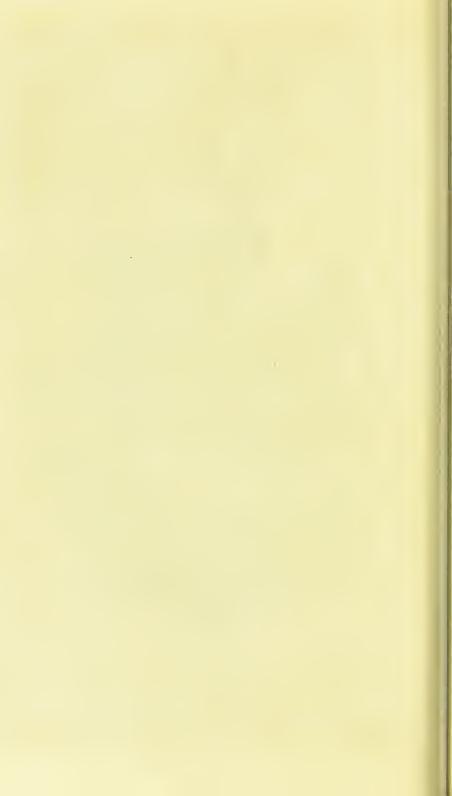
Hymenophyllum Tunbridgense

Bryum affine

Bartramia pomiformis.

The Osmunda is reduced about two thirds; the Equisetum, Polypodium, Ceterach, &c. one half; the remainder are but little reduced from their natural size.





*CRYPTOGAMIA, OR PLANTS WITH NO TRUE FLOWERS

in which stamens and pistils are visible.

CLASS XXIV. CRYPTOGAMIA.

Order 1. 'FILICES.

Genera and Species	Tab. of Eng. Botany.	Nat. Order. Time of Mat.	English Name, Localities, and other remarks.
CETERACH	_	Grammitidex.	Rough Spleenwort.
officinarum (Scolopend	1244. rium Ceteracl	June, July, n, E.B.)	Rosehill, Brightling, Sussex Maidstone, and elsewhere in
Polypodium		Polypodiaceæ.	Kent. $Polypody$.
vulgare	1149.	May.	On rocks, walls, trunks of trees, &e., eommon.
Phegopteris	2224.	June, July.	(Pale Mountain Polypody.) Ir a boggy spot on the forest near Kidbrook Park pales, Forest Row.
Aspidium		${\it Aspidie} x.$	Shield Fern.
Thelypteris	1018.	July, Aug.	Broadwater Forest, near where the road crosses the stream between Eridge and Groom- bridge. Forster.
Oreopteris	1019.	Jul <mark>y, A</mark> ug.	On Rusthall Common, Broadwater Forest, Eridge, Rotherfield, &e., not uncommon.
Filix mas	1458.	June, July.	Woods and shady banks, com.
spinulosum (Polypodiu scarcely I	m With. E. B. 1460.)	June, July.	In Jack's Wood; bogs at Fisher's Castle, and other mois places, in woods, &c., not uncommon.
dilatatum (1)	1461. nd 1460 ?	June.	Hedge banks, woods, and on the sand rocks, &c., very common.

⁽¹⁾ According to Newman, this is Polystichum multiflorum Roth. Aspidium spinulosum Swartz and Willd. A. dilatatum, spinulosum and dumetorum Smith, and A. spinulosum Hooker.

Since the above has been in type, Mr. Newman has published in the 2nd. ed. of his History of Brit. Ferns. the Aspidium spinulosum of this list by the name of Lastræe spinosa; the A. dilatatum, Lastræa multiflora; the A. lobatum, Polystichum aculeatum, and the A. aculeatum, Polystichum angulare. The correctness of this, as to priority of nomenclature, I leave to abler botanists to decide—I retain at present the names by which the plants are most generally known.



CRYPTOGAMIA.-FILICES.

~			* * M * O L O ;
Genera and Species.	ab. of Eng. Botany.	Nat. Order. Time of Mat.	English Name, Localities, and other remarks.
	Ir, Newman ol. p. 773.)		Eridge Rocks plentifully, and elsewhere, but not common. According to Mr. Newman, this is not A. dumetorum, Smith, "The authentic specimen of which," he observes, "is a blighted deformed plant, possessing none of the distinguishing characters of A. recurvum; and although," he adds, "Mr. Sheppard, of Liverpool, has A. recurrum growing, as he asserts from the seeds of Smith's specimen, I am inclined to think sufficient care was not exercised in the process of rearing."
lobatum	1563.	June.	Hungershall Rocks; road side between Groombridge andWi- thyham, and elsewhere, not uncommon.
aculeatum	1562.	June, July.	Between Langton Green and Speldhurst; Tunbridge and elsewhere, but not so frequent immediately in the neighbour- hood of Tunbridge Wells as the above.
β angulare	2776. Sup	t. June, July.	Tunbridge, &c. This can scarcely be distinguished as a variety from the above, eertainly not as a species.
ASPLENIUM		Aplenieæ.	Spleenwort.
Filix fæmina	1459.	June, July.	In woods & moist shady places, common.
β irriguum	2199.	June, July.	Moist shady and boggy places, not unfrequent, seareely a dis- tinguishable variety.
	. Brit. Bot.	June—Aug.	In the great bog near Kidbrook Park pales, Forest Row; bogs at Fisher's Castle; Waldon on a dry bank, and elsewhere.— Perhaps a good species.
Trichomanes	576.	June—Sept.	On a rock on Tunbridge Wells Common; walls about Wad- hurst, Mayfied, Groombridge, and other places.

⁽²⁾ Since the above has been in type, I have examined the specimens in the Smithian Herbarium, and I am quite of Mr.Ncwman's opinion that neither the original specimen of A. dumetorum nor the Liverpool Garden specimens can belong to Mr. Bree's plant. The name of the plant is very inappropriate, concavum would have been much better.



CRYPTOGAMIA.-FILICES.

Genera and Tab. Species. B	of Eng.	Nat. Order. Time of Mat.	English Name, Localities, and other remarks.
Ruta muraria	150.	June.	Wadhurst, Mayfield, Brenchly, and elsewhere, frequent on old walls.
lanceolatum	240.	Junc.	On the sand rocks by the path leading to the High Rocks! on the High Rocks, and in Eridge Park.
Adiantum nigrum	11950.	June.	Rocks, hedge banks, &c., very fine between Rusthall Com- mon and Langton Green.
SCOLOPENDRIUM			Hart's Tongue.
vulgare	1150.	June.	Shady banks, on rocks, and other places, common.
BLECHNUM		Adiantariæ.	Hard Fern.
boreale	1157.	July.	Forests, heaths, woods, &c., abundant.
PTERIS			Brake.
aquilina	1659.	July.	Forests, heaths, &c., very com.
HYMENOPHYLLUM		Hymenophylleæ.	Tunbridge Filmy Fern.
Tnnbridgense	162.	May.	High Rocks, Eridge Rocks, Har- rison's Rocks, &c.
OSMUNDA		Osmundaceæ.	Flowering Fern.
regalis	209.	June, July.	Mount Ephraim. Mr. Sharp. Harrison's Rocks, Uckfield, and on Ashdown Forest, not common.
Botrychium		Ophyoglosseæ.	Moonwort.
Lunaria	318.	May, June.	Hill Park, nearWesterham: Mr R.2Scott. Crowborough Warren. Forster. In a field near Crowborough Gate. Mr. Turner. On the forest left of the road between Fisher's Gate and the high part of the forest towards Maresfield; on the open part of the forest between Crowborough Warren and the New Church; and between Colman's Hatch and Forest Row; on Burwash Common, and in a field on Dudland's Farm, Mayfield.
Ophioglossum			Adder's Tongue.
rulgatum	108.	June.	Between (Ramslye Rocks and Broadwater Forest, and else- where in meadows aud pas- tures, frequent.



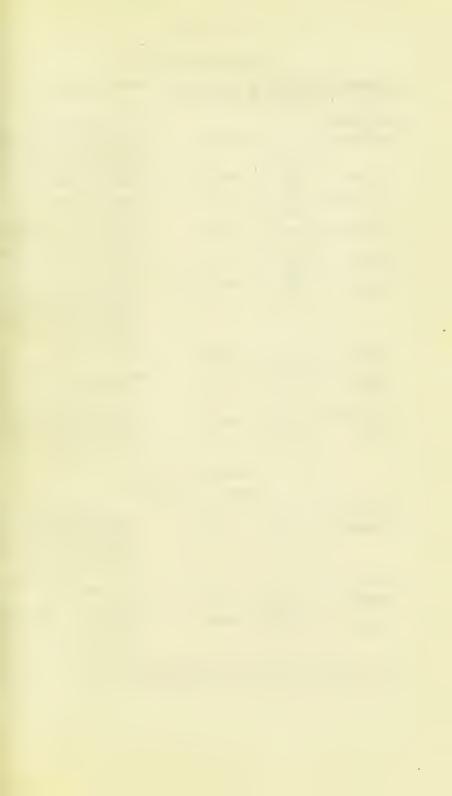
CRYPTOGAMIA. FILICES.

Genera and Species.	Tab. of Eng. Botany.	Nat. Order. Time of Mat.	English Name, Localities, and other remarks.
PILULARIA		Marsileaceæ.	Pill Wort.
globulifera	521.	June.	In a bog at Quarry Brook, on the right of the road from Hartfield to Forest Row, abun- dant, and at Piltdown.
LYCOPODIUM		Ly copodiace x.	Club Moss:
clavatum	224.	July.	Here and there on the forests, frequent.
inundatum	239.	June, July.	Broadwater Forest; in the bog at Fisher's Castle, and else- where on the forests.
Selago	233.	June.	On the forest on the left of the road from Tunbridge Wells to Frant; Waldron; ou the forest near Wych Cross, &c.
EQUISETUM		Equisetaccæ.	Horse Tail.
(Telmateia E fluviatile, I	hr. 2022. E B. & Hook.)	April.	Wet places at Wadhurst, May field, Withyham, &c., not un-common.
arvense	2020.	April.	Corn fields, road sides, &c., frequent.
sylvaticum	1874.	April, May.	In the Folly behind the Sussex Hotel, abundant; in a bog near the Church at Pembury; and it was shewn to me by Mr. Sharp in that part of Colebrook Park called the Scrubs.
fluviatile, Li (limosum,	nn. 929. E.B. & Hook)	June, June.	In the Folly behind the Sussex Hotel, and in ponds, ditches, and watery places, common.
palustre	2021.	June, July.	Boggy and other wet places, frequent.

Note. Having taken Hooker's British Flora for the basis of my list of Flowering Plants, I have thought it best to follow it in the generic names of the Ferns also: not pretending in doing so to pass judgment on the changes adopted, from foreign writers, by Newman and Babington in their respective works.

Genera and 1 Species. 1	Tab. of Eng. Botany, &c.	Nat. Order. Time of Mat.	English Name, Localities, and other remarks.
	_	Order 2. Muse	cr.
		Tribe l. Acroce	arpi.
ANDRMA		Subtribe 1. Ast	
* rupestris	1277.	Saulana	Andræa.
_	M. Br. † 8.	Spring.	[On the High Rocks. Forster.]
PHASCUM serratum	400		Earth Moss.
	460. M. Br. 5.	Spr. & Aut.	Tunbridge Wells Common, and elsewhere, not uncommon.
crispum	1680. M. Br. 5.	March.	Morant's Court Hill; Wester- ham, &c., frequent on the chalk.
subulatum	2177. M. Br. 5.	March.	Fields, dry banks, and other places, common.
axillare	1036. M. Br. 5.	Spr. & Aut.	Neville Park Farm; Maresfield, &c. frequent on clay where water has been stagnant during winter, or round the edge of ponds, particularly in the Autumn.
,pateus	1279. M. Br. 5.	Autumn.	In some clay pits about a mile from Edenbridge railroad station, by the road side towards Westerham.
muticum	2027. M. Br. 5.	Spring.	On banks by the road side be- tween Tunbridge Wells and Eridge, and between Frant and Mark Cross, &c.
cuspidatum	2025. M. Br. 5.	Winter & Spr.	Fields and moist banks, very common.
rectum	330. M. Br. 5.	Winter & Spr.	Moraut's Court Hill, and else- where on the chalk, frequent.
curvicollum	905. M. Br. 5.	Spring.	On the Hill above Westerham; Morant's Court Hill, &c.
G	S	ubtribe 2. Gymno	
Sphagnum obtusifolium (1) 1405	Tuno Aug	Bogs and wet places on the
Obtustionum (M. Br. 4.	June—Aug.	forests, &c., common.
squarrosum	1498. M. Br. 4.	June—Aug.	Bog in Jack's Wood, and elsewhere, not rare.
acutifolium (2)	1406. M. Br. 4.	June-Aug.	Bogs and wet places on the forests, &c., abundant.
* cuspidatum	2092. M. Br. 4.	Spring.	[On watery mountainous places, Forster.]

⁺ Muscologia Britannica, by Sir W. J. Hooker and F. Taylor, M. D. &c. (1) S. latifolium. E. B. (2) S. capillifolium, E.B.



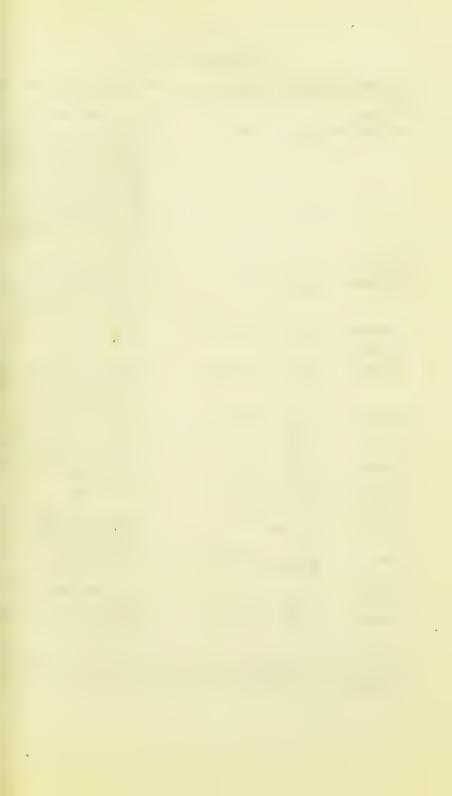
Genera and To Species.	ab. of Eng. otany, &c.	Nat. Order. Time of Mat.	English Name, Localities, and other remarks.
CIMNOSTOMUM			Beardless Moss.
viridissimum	1583. M. Br. 6.	Spring.	On trees, common; with fruit, which is rare, on a tree at Hun- gershall Rocks, 1842.
* ovatum	1889. M. Br. 7.	Win. & Spr.	[On walls and banks, not uncommon. Forster.]
truncatum (1)	1975. M. Br. 7.	Winter.	Banks, cultivated fields, &c., very common.
βintermedium	(2) 1976. M. Br. 7.	Winter.	On the bank by the road side at Southfield Park, & elsewhere.
*Heimii (3)	1951. M. Br. 7.	Spring.	[On banks, not uncommon. Forster.]
conicum	2676. M. Br. 7.	February.	Fallow fields at Withyham; in the fields between Rusthall Common and the road to the High Rocks; on the bank at Southfield, and elsewhere; common on the chalk.
fasciculare	1245. M. Br. 7.	Spring.	Broadwater Forest.
pyriforme	413. M. Br. 7.	Spring.	Banks of ditches, and other wet places, common.
ANICTANGIUM			Branched Beardless Moss.
ciliatum	1179. M. Br. 6.	March.	On the tiles of an old hovel at Ticehurst, abundant, and in a similar situation at Herring's Farm, Mayfield.
		Subtriba 3 Pariete	2222

Subtribe 3. Peristomi.

Division 1. Aploperistomi.

	יום	vision 1. Aptoper	risionii.
DIPHYSCIUM			Diphyscium.
foliosum (4)	329. M. Br. 8.	July, Aug.	On sand rocks at Eridge. It for- merly grew on a sand rock in the field at the lower part of Harrison's Rocks, but is now lost there.
TETRAPHIS			Tetraphis.
pellucida	1020. M. Br. 8.	Spring.	On the sand rocks, very abundant.
Browniana	1422. bad. M. Br. 8.	Spring.	Eridge Rocks, discovered by Wm. Borrer, Esq. in 1825. 1 saw it growing in the same spot in 1837

⁽¹⁾ G. truncatulum, E.B. (2) G. intermedium, E.B. (3) Also G. obtusum, E.B. 1407. (4) Eurbaumia foliosa, E.B.



Genera and Species.	Tab. of Eng. Botany, &c.	Nat. Order. Time of Mat.	English Name, Localities, and other remarks.
SPLACHNUM		_	Splachnum.
ampullace um	(I) 144. M. Br. 9.	Summer.	On the bog in the way to Groombridge from the High Rocks, where the Aspidium Thelypteris grows. Forster. (This habitat is now lost from draining, &c.) On the high part of Ashdown Forest, not far from Wych Cross, in abundance in 1839. J. Woods, Esq.; and on the great bog near Forest Row where the P. Phegopteris grows.
ENCALYPTA			Extinguisher Moss.
streptocarpa	2163. M. Br. t. 13,	July.	Morant's Court Hill, and else- where on the chalk, generally under trees, and always with- out fruit.
* vulgaris (2) WEISSIA (3)	558. M. Br. 13.	March.	[In fissures of rocks, common. Forster.] Weissia.
Starkeana	1490. M. Br. 14.	February.	On the bank near the upper gate of the enclosure of the Calverley Estate, on the Pembury road, February, 1842.
cirrata (4)	1420. M. Br. 15.	Spring.	On posts and rails, trees, &c. common.
curvirostra	1438. M. Br. 14.	Sept.—Mar.	Morant's Court Hill, and else- where on the chalk, abundant.
crispula	2203. M. Br. 15.	May.	Harrison's Rocks. Wm. Bor- rer, Esq., 1810.
controversa (5) 1367. M. Br. 15.	Spring.	Banks, frequent.
calcarea	191. M. Br. 15.	May.	On the hill above Westerham; Morant's Court Hill, and elsewhere on the chalk.
pusilla	2551. M. Br. 15.	May-Aug.	Morant's Court Hill, Aug., 1842.
GRIMMIA			Grimmia,
apocarpa	1134. M. Br. 13.	Spring.	On the sand rocks, walls, &c., common.
pulvinata	1728. M. Br. 13.	Spring.	Sand rocks, walls, &c., common.

^{(1) (}Also, S. Turnerianum, E.B. 1116, according to Hooker.) (2) Bryum extinctorium, E.B. (3) Grimmia, E.B. (4) Also, Grimmia Dicksoni, E.B. 142. (5) Grimmia recurvirostra, E.B.



Genera and Tab. of Eng. Species Botany, &c.	Nat. Order. Time of Mat.	English Name, Localities, and other remarks.
trichophylla M. Br. Supt.	Dec.—Mar. 2.	On Rusthall Common with fruit, in 1842—3; on the rocks between Uckfield and Maresfield, and other exposed sand rocks without fruit.
DIDYMODON		Didymodon.
purpureus (1) 2262. M. Br. 20.	Spring.	Oa banks, walls, thatch, and elsewhere, very common.
heteromallus (2) 1899. M. Br. 29.	Summer.	In the Five Hundred AcreWood, Buckhurst Park, abundant, 1837; Crowborough Warren, &c., rare.
* pusillus 2383. (Trichostomum, Fors f.)	Spring.	[In sandy places. Forster.]
TRICHOSTOMUM		Fringe Moss.
* lanuginosum 1348. M. Br. 19.		[On dry woods, rocks, and sandy mountainous places. Forster.]
canescers (3) 2534. M. Br. 19.	December.	Rusthall Common without fruit; at Westerliam with fruit in abundance iu 1842.
heterostichum 1347. M. Br. 19.	Spring.	High Rocks. Wm. Borrer, Esq. and at Harrison's Rocks, always without fruit.
aciculare 1978. M. Br. 19.	Spring.	On the sand rocks at Ramslye, and on Rusthall Common, abundant.
DICRANUM		Fork Moss.
bryoides 625 & 1368. M. Br. 16.	Winter.	On sand rocks, banks, &c., com- mon.
adiantoides (4) 264. M. Br. 16.	Spring.	On banks, in bogs, and other moist places; also on the chalk. A very large variety of this species grows on the High Rocks.
taxifolium 426. M. Br. 16.	Winter & Spr.	Moist banks, &c., frequent.

⁽¹⁾ Dicranum purpureum, E.B. (Also, D. strictum, E.B. 2294, D. bipartitum, E.B. 2357, and D. Celsii, E.B. 2418, according to Hooker.) (2) Grimmia heteromatla, E.B. (Also, G. homomatla, E.B. 1900, according to Hooker.) (3) And T. ericoides, E.B. 1991.

⁽⁴⁾ Dicranum adiantoides and taxifolium have their seta lateral, (Pleurocarpi) and with D. bryoides form a natural group, distinguished as a genus by Hedwig and others, under the name of Fissidens.

	Sab. of Eng. Botany, &c.	Nat. Order. Time of Mat.	English Name, Localities, and other remarks.
glaucum	2166. M. Br. 16.	Spring.	On the sand rocks, and 'on the forests, common, always with out fruit.
cerviculatum	(1) 1661. M. Br. 16.	March—June.	Forest Row; bogs at Fisher' Castle, and in a wet spot abou a mile from Wadhurst, on the Frant road, and elsewhere, no common.
flexuosum	1491. M. Br. 16.	Winter.	On rocks; in bogs, and on the forests, &c., frequent.
pellucidum	1346. M. Br. 17.	November.	On stones in streams and occasional water-courses, frequent.
spurium	2167.	November.	Waterdown and Broadwater Forest, without fruit.
Scottianum	1391. M. Br. 18.	September.	High Rocks; Eridge Rocks, and elsewhere on the sand rocks not common.
Dillenii (2)	354. M. Br. 18.	August.	On the sand rocks, forests, &c., common.
scoparium (3)	1409. M. Br. 18.	August.	Eridge Rocks; High Rocks, and elscwbere on the sand rocks.
fuscescens (4)	1597. M. Br. 18.	August.	High Rocks.
varium (5)	1215, M. Br. 17,	Winter.	Moist banks, cultivated fields, &c
heteromallum	2508. M. Br. 18.	Oct. Nov.	On the sand rocks; on banks, and elsewhere, common.
TORTULA			Screw Moss.
rigida	180. & 2759. Supt. M. Br. 12.	Winter.	On the bank by the road side at Southfield Park; between Southborough and Tunbridge. &c., not common.
convoluta	2382. M. Br. 12.	Spring.	Tunbridge Wells Common, and other places, frequent.
revoluta (nervosaE.F	2383. 3.)M.Br.12.	Spring.	On Tunbridge Wells Common, and on walls, &c.
muralis	2033. M. Br. 12.	April.	Rocks on Tunbridge Wells Common; on walls and elsewhere, common.
ruralis	2070. M. Br. 12.	April.	Thatched roofs, on walls, on trees, and on the ground, common.
β lævipila		April.	On trunks of trees at South- borough, Tunbridge, &c.

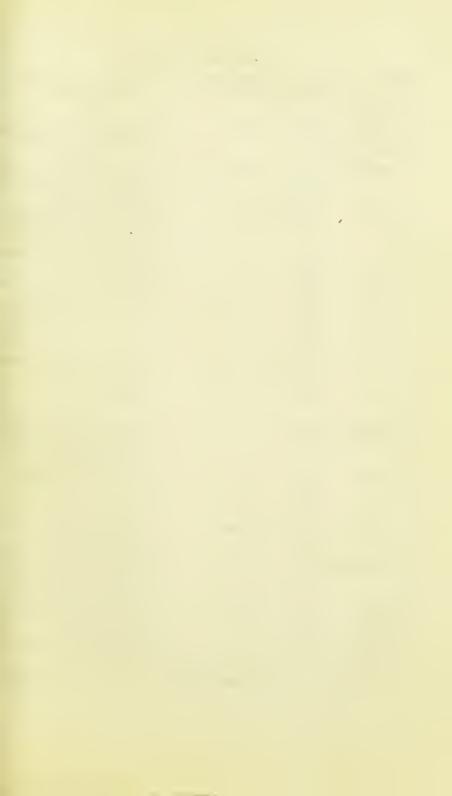
⁽¹⁾ Also, D. pusillum, E.B. 2491, and D. uncinatum, E.B. 2261, according to Hooker. (2) D. scoparium, Hooker and E.B. (3) D. majus, E.B. D. scoparium a majus, Hooker. (4) D. scoparium B Hooker. (5) And D. rigidulum, E.B. 1439.



Genera and Species.	Tab. of Eng. Botany, &c.	Nat. Order. Time of Mat.	English Name, Localities, and other remarks.
latifolia (1)	_	April.	On trees, within the reach of floods at Tunbridge.
subulata	1101. M. r. 12.	Winter.	Sandy hedge banks, and other places, abundant.
unguiculata (2) 1299. M. Br. 12.	Winter.	Banks; fallow fields, and other places, very common.
* cuneifolia	1510. M. Br. 12.	February.	[On sandy banks and elsewbere. Forster.]
fallax (3)	2179. M. Br. 12.	June, July.	Rocks, banks, fields, &c., very common.
CINCLIDOTUS			Lattice Moss.
* fontinaloide	s (4) 557. M. Br. 11.	April.	[ln rivers, not very common. Forster.]
Polytrichum			Hair Moss.
undulatum	1220. M, Br. 10.	Winter.	Moist shady banks in woods, &c. very common. Mr. Borrer found some very remarkable branched specimens of this under water in the Jack's Wood reservoir.
piliferum	1199. M. Br. 10.	Spring.	On Tunbridge Wells Common, and elsewhere on beathy places, &c., frequent.
juniperinum (5) 1200. M. Br. 10.	Spring.	Tunbridge Wells Common, and clsewhere on heaths and on the forests, common.
commune	1197. M. Br. 10.	Juue.	In boggy as well as dry situa- tions; on the forests, heaths, shady hedge banks, and else- where, very common.
urnigerum	1218. M. Br. 11.	November.	By the sides of the large reservoir near Jack's Wood Spring; by a gravel pit between Frant and Mark Cross, & at Buxted.
aloides (6)}	1649. M. Br. 11.	Winter.	On moist banks and other places, common.
β Dicksoni (7) 1605.	Dccember.	Clayey places, &c.
nanum (8)	1625. M. Br. 11.	December.	Moist sandy banks, &c., frequent

⁽¹⁾ Barbula latifolia, Bruch and Schimper, Bryol. Eur., Trichostomeæ, t. 25.

⁽²⁾ T. mucronulata, E.B. Also, according to Hooker, T. aristata, E.B. 2393; T. barbata, E.B. 2391; T. humilis, E.B. 1663; T. apiculata, E.B. 2494; T. ericetorum, E.B. 2495. (3) Also, T. unguiculata, E.B. 2316, and T. imberbis, E.B. 2392, according to Hooker. (4) Fontinalis minor, E.B. (5) And P. strictum, E.B. 2435. (6) And P. rubellum, E.B. 1939. (7) P. Dicksoni, E.B. (8) And P. subrotundum, E.B. 1624.



			2.200011
Genera and Species	Tab. of Eng. Botany, &c.	Nat. Order. Time of Mat.	English Name, Localities, and other remarks.
FUNARIA	_		Funaria.
hygrometric (BryumE.)	a 342. B.) M. Br. 20.	May.	On the ground, on walls, and elsewhere, very common.
ORTHOTRICHU	M		Bristle Moss.
cupulatum (1) 1423. M. Br. 21.	April,	On tiles of a shed by a chalk pit between Shoreham, Kent, and Morant's Court Hill.
anomalum	2696.Supt M. Br. 21.	. April.	On the tiles of a shed between Shoreham and Morant's Court Hill, with O. cupulatum, and at Riverhead, Sevenoaks.
affine	1323. M. Br. 21.	August.	On trunks of trees, old pales, &c., common.
β pumil u m	2168. M. Br. 21.	August.	Wadhurst, on gooseherry trees, and elsewhere, frequent.
diaphanum	1324. M. Br. 21.	February.	On trees, old pales, &c., frequent.
striatum	2187. M. Br. 21·	June.	On the trunks of trecs, frequent.
Lyellii	2834.Supt. M. Br. 22.	July, Aug.	On trunks of trees, &c., quite as common as O. striatum.
crispum	996. M. Br. 21.	August.	On trunks of trees, &c., very common.
BRYUM			Thread Moss.
androgynum (Mnium E.)	1238. B)M. Br. 28.		On sand rocks on Tunbridge Wells Common, and elsewhere on banks, &c., common, al- ways without fruit.
palustre	391. M. Br. 28.	June.	Boggy places, very common.
carneum	360. M. Br. 29.	April.	Wet banks, &c., frequent.
argenteum	1602. (bad) M. Br. 29.	March.	On the ground, and on walls and roofs, frequent.
pyriforme (aurcum E.l		June.	On the sand rocks on Tunbridge Wells Common, and other places, not common.
gracile	2835.Supt.	March.	Eridge Rocks, with young fruit, December, 1843. Mr. Borrer.
capillare (3)	2007. M. Br. 29.	May.	Rocks, walls, heaths, thatched roofs, &c., common.
annotinum left har	1862. nd fig. & Supt.	2856.	In cultivated fields, not uncommon, without fruit.

⁽¹⁾ O. anomalum, E.B. (2) O. pumilum, E.B. (3) And B. stellare, E.B. 2434.



		Nat. Order. Time of Mat.	English Name, Localities, and other remarks.
eœspiticium	1904. M. Br. 29.	May.	Roeks, walls, banks, &e., frequent.
β minus (1)	1601 ? M. Br. 29.	May.	Walls, &e., frequent.
nutans	1240. M. Br. 29.	May.	Broadwater Forest. Mr. Borrer.
ventrieosum	2272. M. Br. 30.	July.	Boggy places on TunbridgeWells Common and elsewhere, fre- quent.
roseum	2395. M. Br. 29.	November.	On sandy banks, heaths, &e., frequent, always without fruit.
ligulatum	1449. M. Br. 30.	April.	Hungershall Roeks; Hurstwood; Buekhurst Park, and at East- grinstead, with fruit which is vare; it is eommon without fruit.
punctatum	1183. M. Br. 30.	April.	By the sides of streams, in oc- easional water courses, and at the foot of damp rocks, &c., frequent.
rostratum	1475. M. Br. 30.	May.	Moist shady places, common. With fruit, which is rare, on the banks of the river which parts the Counties of Sussex and Kent between Sandhurst and Bodiam.
hornum	2271. M. Br. 31.	April.	Sandy banks; on rocks, and in woods, very common.
cuspidatum	1474. M. Br. 31.	April.	In the Wilderness at St. Clare, near Ightham.
affine	2739. Supt	.April, May.	HighRocks; Boar's Head Rocks; Sandling, near Maidstone; and with fruit in a copse near a sand pit on Peneden Heath. This plant is not rare, but likely to be overlooked for B. rostratum in the barren state: the fruit is very rare.
BARTRAMIA			Apple Moss.
pomiformis	998. M. Br. 23.	April, May.	Sandy banks, and elsewhere, frequent.
fontana (Bryum E.)	390. B.) M.Br.23.	July.	Wet places, common.

Genera and | Tab. of Eng. | Nat. Order. | Species. | Botany, &c. | Time of Mat. | English Name, Localities, and other remarks.

> Tribe 2. Pleurocarpi. Subtribe 1. Gymnostomi.

(Hedwigia; not found in this district.)

		Subtribe 2.	Paristoni
	Γ		ploperistomi.
PTEROGONIUM			
graeile	1085. M. Br. 14.	Winter.	Pterogonium. Ramslye Roeks; Uekfield, &c With fruit in abundance a Ramslye, in 1839.
Leucodon			Squirrel Tail Moss.
seiuroides (1)	1903. M. Br. 20.		On trunks of trees, &c., common always without fruit.
NECKERA			Neckera.
pumila	1443. M. Br. 22.	Summer.	On trunks of trees. I have gathered it with fruit (which is not common) in Buckhurs Park, on trees near the house and on trees in the plantation on the right of the road from TunbridgeWells to Frant, and at Eridge.
erispa (2)	617. M. Br. 22.	Winter.	Morant's Court Hill, and else where on the chalk, withou fruit, frequent.
Anomodon			Anomodon.
eurtipendulum	(3) 1444. M. Br. 22.		On trees in Eridge Park, and or bushes on Ashdown Forest near Wood's Nursery, &c., al- ways without fruit.
viticulosum (4)) 265. M. Br. 22.	February.	Southfield Park, near Tunbridge Wells; Plaxtol; Morant' Court Hill, and elsewhere on the chalk, abundaut, frui rare. Mr. R. Scott gathere it very fine at Hill Park, nea Westerham, in 1842.
DALTONIA			Daltonia.
heteromalla (5)	1180.	April.	On trees at Wadhurst, and else

M. Br. 22.

FONTINALIS

antipyretiea 359. June. M. Br. 22.

where, not common.

Water Moss.

In ponds, rivers, ditches, &c. frequent.

⁽¹⁾ Pterogonium, E.B. (2) Hypnum, E.B. E.B. (5) Neckera, E.B. (3) Neckera, E.B. (4) Hypnum



Genera and T Species. H		Nat. Order. Time of Mat.	English Name, Localities, and other remarks.
HOOKERIA			Hookeria.
lucens	1902. M. Br. 27.	Nov. Dee.	Eridge Park; High Rocks; Hun- gershall Rocks; in a copse Penn's Rocks, &c.
HYPNUM			Feather Moss.
triehomanoide	s 1493. M. Br. 24.	Mareh.	On the lower part of the trunks of trees, and on exposed roots, &e., particularly in ravines and water courses.
complanatum	1492. M. B. 24.	Spring.	Trunks of trees, &c., very common.
rip ari um	2060. M. Br. 24.	April.	Ponds, rivers, ditches, &c., generally on decaying timber and on roots or branches of trees partially in water.
undulatum	1181. M. Br. 24.	April.	Eridge Rocks; Knole Park, Sevenoaks; Harrison's Rocks, &e.
dentieulatum	1260. M. Br. 24.	May.	On sandy banks, &c., frequent.
β obtusifolium	M. Br. 24.		On banks, roeks, &c., not common.
medium (1)	1274. M. Br. 24.	April.	Tunbridge and elsewhere on trunks of trees, near the ground by the side of rivers, partieu- larly where the water occa- sionally overflows.
tenellum	1859. M. Br. 24.	Winter.	Westerham; Morant's Court Hill, &c. frequent on the chalk.
serpens	1037. M. Br. 24.	May.	On trees, banks, pales, decaying wood, &c., very common.
populeum (2)	1584. M. Br. 24.	November.	Uekfield Roeks. Mr. Borrer. On stones on the hill above Westerham, &c.
stramineum	2405. M. Br. 24.		Bogs at Fisher's Castle, and on Ashdown Forest, without fruit.
murale (3)	1038. M. Br. 24.	Oet., Nov.	On walls, &c., particularly on bricks near the ground exposed to the drip from houses, &c.
purum	1599. M. Br. 24.	November.	On the sand rocks, in woods, and other places, abundant.

⁽¹⁾ And H. inundatum, E.B. 1922 (2) H. implexum, E.B. (3) H. confertum, E.B.



CRYPTOGAMIA.-MUSCI.

Genera and Species.	Tab. of Eng. Botany, &c.	Nat. Order. Time of Mat.	English Name, Localities, and other remarks.
piliferum	1516. M. Br. 25.	November.	Hungershall Rocks; in woods and on hedge banks, &c., common, fruit very rare.
Schreberi	1621. M. Br. 24.	October.	In fruit on the High Rocks. It is very common without fruit on sand rocks, among heath, and on the forests, &c.
catenulatum 1	2297. right hand fig.		Harrison's Rocks; High Rocks, &c., always without fruit.
* plumosum	2071. M. Br. 25.	October.	[On stones, roots of trees, and on walls. Forster.]
sericeum	1445. M. Br. 25.	November.	On rocks, walls, roofs, trunks of trees, &c., common.
lutescens	1301. M. Br. 25.	Spring.	On the bank at Southfield Park, by the road side from Tun- bridgeWells to Southborough; on the chalk, very abundant.
albicans	1300. M. Br. 25.	November.	Tunbridge Wells, and elsewhere on the ground in sandy places, common, fruit unfrequent.
alopecurum	1182. M. Br. 25.	October.	In woods, &c., particularly on the sides of the banks of deep water courses, &c.
* dendroides	1565. M. Br. 25.	November.	[On the High Rocks. Forster.]
eurvatum	1566. M. Br. 25.	November.	On trees, rocks, &c., common.
myosuroides	1567. M. Br. 25.	Autumn.	On the sand rocks, in abundance.
splendens	1424. M. Br. 25.	April.	On the sand rocks, in heathy places, and on the forests, common.
proliferum (1)	1494. M. Br. 25.	April.	On the sand rocks, in woods, and on banks, &c., abundant.
prælongum (2) 2035. M. Br. 25.	November.	On the ground under the shade of trees; on banks, and elsewhere, very common.
flagellare (3)	2565. M. Br. 25.	January.	By the side of a water course about a mile from Wadhurst on the road towards Frant, and with fruit in Pressridge Warren, near Wych Cross.

⁽¹⁾ And H. recognitum, E.B. 1495. (2) And H. Stokesii, E.B. 2036. (3) H. um-bratum, E.B.



Genera and Topecies.		Nat. Order. Time of Mat.	English Name, Localities, and a other remarks.
abietinum	2637. bar. s M. Br. 25.	peeimen.	Morant's Court Hill, abundant, always without fruit.
Blandovii	2760. Supt. M. Br. 25.		This is said by <i>Hooker</i> to have been found "on the rocks at Tunbridge" by <i>Mr. Jos. Woods.</i> Diligent and repeated search has been made for it without success.
illecebrum (I)	2755.Supt. M.Br. Supt. 5.		By the road from Groombridge to Maresfield, under Buckhurst Park pales, near where the road branches to Withyham and Penn's Roeks, with fruit; near Sevenoaks, and other places, abundant, without fruit.
Rutabulum (2)	1647. M. Br. 26.	November.	On trees, hedge banks, &c., very common.
velutinum (3)	1568. M. Br. 26.	Mareh.	Hedge banks, &e., common.
ruscifolium	1275. M. Br. 26.	Oetober.	On stones in water courses, &c., particularly abundant about water mills, water falls, and other similar places.
striatum	1648. M. Br. 26.	November.	Woods, shady banks, &c., very eommon.
eonfertum (4)	2407. M. Br. 26.	November.	On the brick lining of an old well on the Frant road, and other places, not common.
cuspidatum	1425. M, Br. 26.	November.	Boggy and wet places, very abundant.
cordifolium	1447. M. Br. 26.	Mareh.	In a boggy spot between Eridge and Harrison's Rocks, and elsewhere, not uncommon, fruit rare.
stellatum	1302. M. Br. 26.	May.	Boggy places on Tuubridge Wells Common, &c.
β minus (not H. squa	rrulosum, E.I	3. & Hook. ?)	Between Boar's Head and Crowborough; Mayfield, &c. frequeut on the chalk.
loreum	2072. M. Br. 26.	December.	Eridge Rocks, and other places' particularly in Knole Park, bearing fruit abundantly.
triquetrum	1622. M. Br. 26.	December.	On rocks, and in woods, &c., eominon.
brevirostre	2865. Supt. M. Br. 5.	December	Hungershall Rocks, with fruit; between Langton Green and Speldhurst, and elsewhere, without fruit.
		D D 47 (1)	(a) Il branipartra E.B. (3) And

^{(1) (}H. blandum, Hook. and E.B. Supt.) (2) H. brevirostre, E.B. (3) And H. intricatum, E.B. 2421. (4) And H. serrulatum, E.B. 1262.

	ob. of Eng.	Nat. Order. Time of Mat.	English Name, Localities, and other remarks.
squarrosum	1953. M. Br. 26.	November.	Heaths, woods, and among grass, common.
filicinum	1570. M. Br. 26.	April.	Wet places, by the sides of water: courses, &c., common, the fruit very rare.
* palustre	1665. M. Br. 26.	April.	[In watery places, and on rotten wood in water. Forster.]
fluitans	1448. M. Br. 24.	December.	Rusthall Common; Lower Green and clsewhere, not uncommon, fruit rare.
aduncum	2073. M. Br. 26.	May.	Boggy places on the forests, &c., very common.
β rugosum (H. rugost	2250. um, E. B.)	May.	Tunbridge Wells Common, and in boggy places on the forests, &c.
* scorpioides	1039. M. Br. 27.	March.	[On turfy bogs. Forster.]
cupressiforme	1860. M. Br. 27.	October.	On the sand rocks; banks, and trunks of trees, common.
₿ compressu	m M. Br. 27.	October.	Among heath on the rocks, and on the forests: a clean looking slender plant. I think it a distinct species.
y tenue (H. polya H. mult	1664. athos, E.B. iflorum, Tayl M. Br. 27.	October.	On trunks of trees,&c., frequent.
molluscum	1327. M. Br. 27.	November.	Mayfield; Morant's Court Hill, and elsewhere, very abundant on the chalk.
		Order 3. HEPATI	CÆ.

RICCIA		Riccia.
crystallina 2546. (R. glauca, Linn.)	Mar. April.	On moist clay banks in rather exposed situations, &c., not common.
eta (R. crystallina, Linn.)		On the mud in ponds where the water has dried back, not unfrequent.
* fluitans 251.		[In a pond in the lanc which leads from Langtou Green to the Dropping Spring towards Pound's Bridge. Forster.] This pond has since been filled up and made into a burying ground.



	Nat. Order. Time of Mat.	English Name, Localities, and other remarks.
ANTHOCEROS		Anthoceros.
punctatus (1) 1537.	Spring.	Sides of ditches, wet banks, and other wet situations, common.
MARCHANTIA		Marchantia.
polymorpha 210.	July.	Moist, wet, and shady situations, very common.
LUNULARIA		
vulgaris	Summer.	Cold Bath; Lower Green, and in other damp situations, fre- quent, without fruit; and on sand rocks at Eastgrinstead, producing fruit.
FAGETELLA		
conica 504. (Marchantia, E.B.)	March.	By the sides of banks, streams, and water mills, &c., frequent.
hemisphærica 503. (Marchantia, E. B.)	Spring.	On the bank in the lane from Rusthall Common to the High Rocks; Lamberhurst Quarter, &c., not common.
JUNGERMANNIA		Jungermannia.
asplenioides 1788. Br. Jung.* 13.	April.	On Eridge Rocks in fruit 1839. It is frequent about the rocks, and in woods, and on shady banks, &c., without fruit.
pumila 2230. Br. Jung, 17.	June.	High Rocks, Hungershall Rocks, &c., abundant.
lanceolata (Linn.) Br. Jung. 18.		Harrison's Rocks, April, 1839. The J. lanceolata of Eng. Bot. 605, and the plant mentioned by this name in Turner and Dillwyn's Bot. Guide, and also by other authors as being found on banks about Tunbridge Wells, is J. scataris of this list.
Sphagni 2470. Br. Jung. 33.	Spring.	Eridge Rocks, in fruit (which is very scarce.) W. Borrer, Fsq. 1 gathered it with fruit at Eridge, aud on the High Rocks in 1839.
crenulata 1463. Br. Jung. 37.	April.	Moist banks, on heaths, and on the forests, &c., very common.

⁽¹⁾ And A. major, E.B. 1538.

Hooker's British Jungermanniæ.



CRYPTOGAMIA.-Musci.

Oli	III IOGAMIA,	nosci.
Genera and Tab. of Eng. Species. Botany, &c.	Nat. Order. Time of Mat.	English Name, Localities, and other remarks.
hyalina 2678.Supt Br. Jung. 63.	. April.	On a rock near the ground in the wood at the High Rocks, and among the rocks at Rams- lye. This is more rigid than Hooker's plant, probably from the place of growth, but agrees with it in every other respect.
emarginata 1022. Br. Jung. 27.	Mar.—June.	Rusthall Common, on exposed rocks.
inflata 2512. Br. Jung. 38.	Mar., April.	Broadwater Forest, producing fruit, abundant. A variety, not so large, and always without fruit, is not unfrequent on the chalk.
excisa 2497. Br. Jung. 9.	April, May:	On sand rocks, moist banks, &c. frequent.
ventricosa 2568. Br. Jung. 28.	Nov.—April.	Shady banks, among heath, and elsewhere. A plant grows on the High Rocks, Hungershall, Eridge, and Uckfield Rocks, &c., which does not agree exactly with Hooker's description, but probably is not distinct. I regard all the states of J. ventricosa as mere varieties of J. excisa, the differences arising from the places of growth.
bicuspidata 2239. Br. Jung. 11.	Mar., April.	On the sand rocks; on heaths; on the forests, &c., frequent. A variety, probably, of this, which has much the appearance of J. curvifolia, (Br. Jung. t. 16.) but is not Dickson's plant, occurs on the forests, on heaths, and in other places. Another, which seems intermediate between J. bicuspidata and J. connivens, grows on the sand rocks. Mr. Spruce suggests that this last may be J. reclusa of Taylor, but searcely a distinct species.
byssacea 719. (J. divaricata, E. B.) Br. Jung. 12.	April, May.	On banks, and on the sand rocks, and elsewhere, common.
connivens 2436. Br. Jung. 15.	April.	On the sand rocks, and in boggy places among Sphaguum, &c., frequent.
capitata Br. Jung. 80.	Spring.	Hungershall Rocks.



CRYPTOGAMIA.-Musci.

Genera and Species.	Tab. of Eng. Botany, &c.	Nat. Order. Time of Mat.	English Name, Localities, and other remarks.
incisa	2528. Br. Jung. 10.	Win. & Spr.	High Rocks, Harrison's Rocks, &c.
pusilla	1775. bad. Br. Jung. 69,	Aut.—Spr.	In the wood between Frant Forest and Bellscwe Green; Piltdown, &c., not common.
nemorosa 607	7 & 2437. (1) bac Br. Jung. 21.	d. April, May.	On the sand rocks, in woods, &c., abundant.
γ denudata	Br. Jung. 21.	April, May.	On the sand rocks, common. I consider this as the seedling state of the species.
umbrosa	2527. Br. Jung. 24.		High Rocks.
undulata	2251. (except fruit?) Br. Jung. 22.	May.	Wet turfy bogs; in streams, &c., frequent.
resupinata	2498. Br. Jung. 23.	Spring.	High Rocks, and on the bank by the road side from Groom- bridge to Maresfield, where the road branches to Penn's Rocks &c.
albicans	2240. Br. Jung. 25.	Mar., April.	On banks, on the sand rocks and elscwhere, common.
β procumbe	ens Br. Jung. 25.	Mar., April.	Moist banks, &c., frequent.
minuta	2231. (mag. fig. bad) Br. Jung. 44.	Spr., Sum.	On Eridge Rocks.
exsecta	2745.Supt. Br. Jung. 19.		On banks by the road side from TunbridgeWells to Eridge, and by the side of the plantation between Eridge and Groom- bridge.
complanata	2499. Br. Jung. 81.	Jan.—Dec.	Trunks of trees, &c., frequent
scalaris (J. lance		Mar., April.	By the road side between Tun- bridge Wells and Eridge; in the wood near Penn's Rocks, and elsewhere on banks and in barren places, abundant.
polyanthos	2479. Br. Jung. 62.	Mar., April.	Buxted; Groombridge, and clse- where in wet places about streams, &c.
* viticulosa	2513. Br. Jung. 60.	April.	[In woods and shady wet places. Forster.]
Trichomanis		Spr., Sum.	On the sand rocks; in bogs and other wet places, very common.

CRYPTOGAMIA .- Musci.

Win., Spr.

Win.—Spr.

English Name, Localities, and other remarks.

In the wood by the Hungershall

Rocks, and other moist shady situations; also in boggy and wet places, frequent. Hedge banks; on the ground by the roots of trees in shady

woods; on decaying wood and other places, common.

Genera and | Tab. of Eng. | Nat. Order. | Species. | Botany, &c. | Time of Mat. |

606.

Br. Jung. 30.

281.

Br. Jung. 31.

bidentata

heterophylla

(J. bicuspidata, E. B.)

			A
scutata (J. stipula	2536. cea, E. B. and H Br. Jung. 41.	Junc. Iook.)	On rocks in Hungershall Wood, and on the High Rocks, Eridge Rocks, Harrison's Rocks, &c.
barbata (J. quinqu	2517. nedentata, E. B.) Br. Jung. 70.	April.	Eridge Rocks.
β minor	Br. Jung. 70,		On the sand rocks at Eridge. Boar's Head, Harrison's, and the High Rocks, common.
reptans	608. Br. Jung. 75.	Spr., Sum.	On the sand rocks, on sandy banks, heaths, &c., common.
trilobata (J. radicar	2232. ns, E. B.) Br. Jung. 76.		High Rocks, Eridge Rocks, and Harrison's Rocks.
setacea	2482. Br. Jung. 8.	Oct., Nov.	In the Rock Wood near Penn's a Rocks; Eridge Rocks; in the bog at Fisher's Castle, and elsewhere, not uncommon.
trichophylla	2252. Br. Jung. 7.	June.	Hungershall Rocks, and in the wood adjoining the High Rocks; first discovered during a botanical walk with Mr. Borrer, in April, 1839.
platyphylla	798. Br. Jung. 40.		On the trunks of trees, and on walls, frequent.
* ciliaris	2241. Br. Jung. 65.		[In woods and stony places; on the rocks. Forster.]
serpyllifolia	2537. (bad. Br. Jung. 42.) April, May.	On trees in the wood on the right hand of the road between Withyham and Hartfield; on trees and banks at Wadhurst; Ticehurst & elsewhere, creeping over mosses, &c.
minutissima	1633. Br. Jung. 52.	April, May.	On fir trees at Boar's Head Rocks; on oak and other trees at Bayham, Eridge and elsewhere, not rare.
dilatata	1086. Br. Jung. 5.	Win.—Spr.	Trunks of trees, &c., very common.



CRYPTOGAMIA .- Musci.

Genera and Species.	Tab. of Eng. Botany, &c.	Nat. Order. Time of Mat.	English Name, Localities, and other remarks.
Tamarisci (tamaris	i 2481. scina, E. B.) Br. Jung. 6.	July, Aug.	On the forests, and also in the chalk district, on the ground, and creeping over low bushes, &c., frequent.
pinguis	185. Br. Jung. 46.	Summer.	Boggy and other wet places, common.
β (angu	stior) Br. Jung. 46.		Boggy and other watery places, common.
multifida	186. Br. Jung. 45.	Spring.	In boggy and other wet places, very common.
βsinuat	ta	Epring.	On a rock in the field opposite to the rocks in Chiddingly Wood, Westhoathly.
	1328. pusilla, E.B.) Br. Jung, 82—84.	Mar., Apr.	[In plenty in the laue on the left hand side of the road from Langton Green to Speldhurst-Church, near the Dropping Spring. Forster.] I gathered it in 1841, in the wet part of the lane near the Burying Ground, between Langton Green and Ashurst.
epiphylla	771. Br. Jung. 47.	Spr. & Aut.	On the sand rocks; on the ground in moist places, &c., frequent.
Taylor,	2873 . Sup Fl. Hib. hylla, $\beta \& \gamma$ Hook. Br. Jung. 47 .		Buxted. W. Borrer. Esq. The var. β Hook., in boggy and other wet places; γ furcigera, Hook., Hungershall Rocks.
furcata	1632. Br. Jung. 55—56	Win.—Spr.	On trunks of trees, &c., common. A large variety of this grows on a sand rock in the wood at the High Rocks, with the underside of the midrib and the edges of the frond hairy.
Lyellii	Br. Jung. 77.	Spring.	Harrison's Rocks, plentifully. First discovered there by T. F. Forster, Esq. in 1790.



Cenera and Species.

Tab. of Eng. Botany, &c.

English Name, Localities, and other remarks.

Order 4. Lichenes. (1)

Notwithstanding the labours of Acharius and others, this Order is still in an unsatisfactory state as to its subdivisions. I have endeavoured to arrange it in Tribes, according to the differences in the Apothecia, and I trust the names affixed will sufficiently explain my views. As to the genera, I follow Acharius with few exceptions; the later alterations adopted in Hooker's British Flora, being in my humble opinion, searcely improvements. The species are named as in the British Flora, except those marked otherwise.

Tribe 1. Acarpi.

	Lepraria.
2147.	On the Eridge, High, and Harrison's Rocks. Perhaps to he removed from the <i>Lichenes</i> , as it is by <i>Hooker</i> and others.
2148. J. B.)	On old buildings, pales, trees, walls, &c., abundant.
1350.	On trunks of trees, boarded buildings, &c., eommon.
1349.	Trunks of trees, &e., frequent.
2471.	On rocks, boarded buildings, trunks of trees, &c.
2409.	On the tops of posts and other squared timber, not uncommon.
	2148. 1350. 1349. 2471.

	Tribe 2.	Cryptocarpi.
SPILOMA		Spiloma.
mieroseopieum	2396.	On boarded buildings, &c., eommon.
dispersum	2398.	On old rails, &c., not unfrequent.
auratum	2078.	On timber in old walls, &c.
nigrum (variolosum, E.B.	2077. (2)	On old trees, especially ash and oaks, not unfrequent.
decolorans	2399.	On the bark of fir trees on Tunbridge Wells Common: on old oaks, boarded buildings, old pales, &c., frequent.
gregarium (tumidulum, E.B	2151.	On the smooth bark of trees, not unfrequent, and very variable.

⁽¹⁾ The column for Time of Maturity is not added to this Order, as perfect Apothecia may be found in most of the species throughout the year.

⁽²⁾ Also S. versicolor, E.B. 2076.



	Tah. of Eng. Botany, &c.	English Name, Localities, and other remarks.
VARIOLARIA		— Variolaria.
Vitiligo, Turn. & B (Scarcely Ach (Spilom	.)	On old rails and gate posts, common. Probably the young state of some Lichen.
conspurcata (Lichen, E.B.)	964.	On stones and mortar in old walls, frequent.
globulifera (Lichen, E.B.)	2008.	On beech trees in Eridge Park.
discoidea (Lichen, E.B.)	1714.	On trunks of trees, common.
faginea (Lichen, E.B.)	1713.	On trunks of trees, very common. Easily distinguished by its bitter taste.
aspergilla	2401.	On trunks of trees, 'not uncommon.
lactea, β arenaria		Ardingly Rocks. Wm. Borrer, Esq., and Boar's Head Rocks.
multipuncta	2061.	On beech trees, frequent.
argena (Lichen, E.B.)	1923. (very bad.) On trees at the High Rocks.
agelæa (Lichen, E.B.)	1730.	On the trunks of trees, frequeut.
	Tribe 3.	·
OPEGRAPHA	* Onego	Opegrapha. rapha, Ach.
lyncea	809.	On oak trees, &c.
(Lichen, E.B.)	003.	On oak trees, &c.
rubella	2347. (bad.)	On the trunks of trees, &c.
rufescens (herpetica, E.B.)	1789. (bad.)	On the trunks of trees.
atra (denigrata, E.B.)	1753.	On the smooth bark of trees, frequent.
vulgata	1811.	On the rugged bark of trees.
betulina	2281.	On the smooth part of birch trees, frequent.
varia	1890.(1)	On the bark of trees.
saxatilis	1790.	On the walls of Withyham Church, &c.
(calcarea, E.B.)	* * Gra	phis, Ach.
elcgans	1812. (not good.)	On the bark of holly, frequent.
scripta (2)		On smooth bark of trees, frequent.

⁽¹⁾ Also O. diophora, E.B. 2280 (2) O. scrpentina, E.B. 1755, O. pulverulenta, 1754, and O. cevasi, 2301, all represent varieties of this species.—O. scripta, E.B. 1813, is a state of O. Lyellii, 1876, of the same work.

Genera and | Tab of Eng |

fuscella (4)

ENDOCARFON

1500.

595.

(Lichen trapeziformis, E.B.)

Species.	Botany, &c.	English Name, Localities, and other remarks.
	* * * Platys	gramme, Meyer.
dendritica	1756.	On the smooth bark of trees.
ARTHONIA (1)		Arthonia.
lurida	2692. f. 2. Supt.	Eridge Roeks.
inipolita (2)	2692. f. 1. Supt.	On old boarded buildings, frequent.
Swartziana	2079.	On the smooth bark of trees, especially holly, not uncommon.
	Tribe 4.	Tuberculiferi.
VERRUCARIA		Verrucaria.
nitida	2607. f. 2. Supt.	On the bark of ash trees, frequent.
submersa	2768. Supt.	In a stream between the Old Mill and Herring's Farm, Mayfield.
cinerea (Liehen stigmatel)	1891. lus, E.B)	On the smooth bark of trees.
epidermidis (Lichen analeptus	1848. E.B.)	On the bark of bireh at Mayfield, &c.
punetiformis	2412.	On the bark of ash trees.
olivaeea	2597. f. 1. Supt.	On a tree at the High Rocks, intermixed with <i>Pertusaria crassa</i> .
gemmata	2617. f. 2. Supt.	On the trunks of ash trees, &e., frequent.
biformis	2617. f. 1. Supt.	On young oaks, &c., not unfrequent.
leueoeephala	2642. f. 2. Supt.	On the trunk of an old tree at Hunger-shall Rocks.
epigæa (Lichen terrestris,	1681. E.B.)	On dry banks, heaths, &e., frequent.
viridula (Lichen tessellatus	533. (bad.) (3) s, E.B.)	On walls.
nigrescens (Lichen umbrinus,	1499. E.B.)	On rocks, stone walls, &c., common.

On Groombridge Church.

Endocarpon.

[In the way from the Eridge road to the

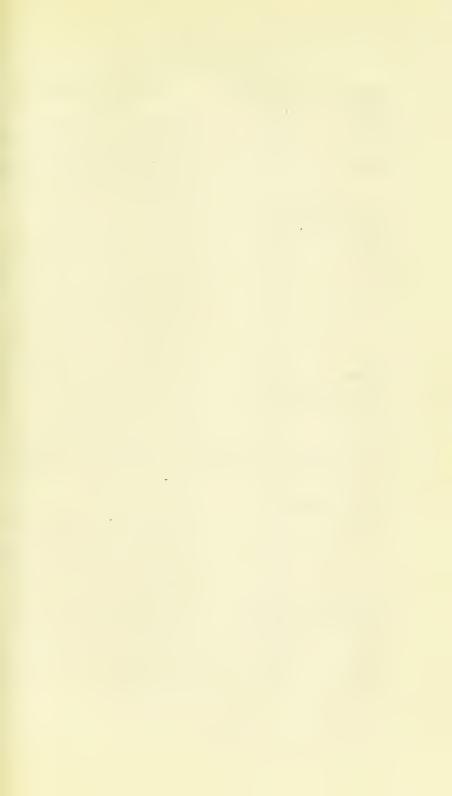
High Rocks, over the forest. Forster.

⁽¹⁾ An anomalous genus. I place it here on account of the resemblance of its species in appearance to imperfect Opegraphæ, although its apothecia are not truly lirelle. (2) The E.B. figure 981, given as Lichen impolitus, looks like a state of Spiloma gregarium. (3) A better figure, with the name rividula, is given it E.B. ed. 2. t. 1944. (4) Endocarpon, Ach. and Hook.—It is one of the links between the two genera; V. viridula is another.—Lichen viridulis, E.B. 2455, it Verrucaria elavina.

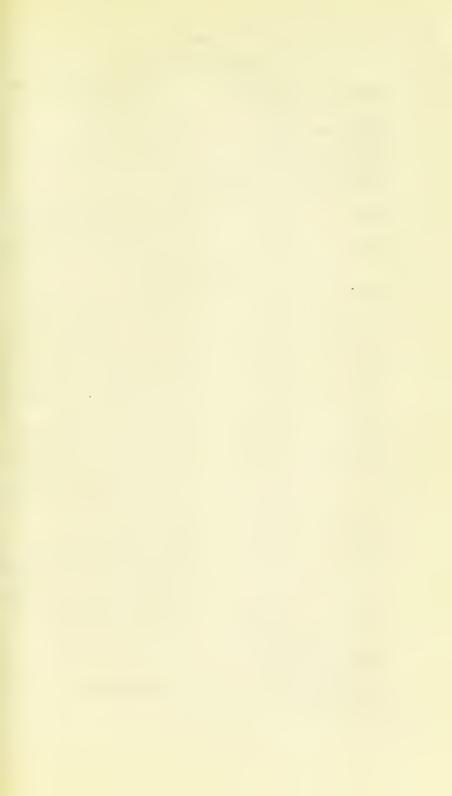


Genera and Species.	Tab. of Eng. Botany, &c.	English Name, Localities, and other remarks.
pulchellum	2602. f. 1. Supt	. In Eridge Park, growing on Lecidea plumbea; frequent on Jung. dilatata, but always without fruit.
lætevirens	2658. Supt.	In damp places on the Eridge Rocks Harrison's Rocks, and the High Rocks abundant, without fruit.
PERTUSARIA		Pertusaria.
communis (Lichen pertusus,	677. , E.B.)	On the trunks of trees, common.
fallax (1) (Lichen hymenic	1731. us, E.B.)	On the trunks of trees, very common.
crassa (1) (Lichen obscuru:	1752. s, E .B.)	On trunks of trees on Tunbridge Well Common; Hungershall Rocks, and elsewhere, frequent.
	Tribe 5.	Scutelliferi.
THELOTREMA		Thelotrema.
lcpadinum (Lichen inclusus	678. , E.B.)	On sand rocks. W. Borrer, Esq. On an old tree at the High Rocks.
URCEOLARIA (2)		Urceolaria.
scruposa	266.	On banks, &c. on Tunbridge Wells Common and clsewhere, frequent.
calcarea	820.	On rocks, stone walls, tiled roofs, &c.
LECIDEA (3)		Lecidea.
	* Lecie	dea, Hook.
confluens	1964.	On rocks, and on stones, especially of the forests, very frequent.
lapicida (Lichen contiguu	821. s, E .B.)	On stones, walls, &c., not unfrequent.
premnea		On trees on Tunbridge Wells Common.
parasema		On trees at Hungershall Rocks, &c., nc common.
elæochroma (Lichen parasemu	1450. is, E.B.)	On trees, frequent.
pinicola	1851.	On the bark of trees, boarded buildings &c., frequent.
dubia	2547.	On boarded buildings, common.
Griffithii	1735. (uot good.)	On trunks of trees.
aromatica	1777.	Groombridge Church.

^{(1) (1)} Perhaps P. fallax should be referred to the genus Thelotrema, and I crassa to Verrucaria. (2) Lichen, E.B. (3) Lichen, E.B.



Genera and Species.	Tab. of Eng. Botany, &c.	English Name, Localities, and other remarks.
scabrosa	1878.	On sand rocks. Mr. Borrer.
uliginosa	1466.	In the Rock Wood, near Penn's Rocks, and on the forests, frequent.
abietina	1682.	On old trees by the rocks between Uckfield and Maresfield; Hungershall Rocks, and on fir trees about Tunbridge Wells.
albo atra, β saxieo (Lichen epipoliu		On brick walls. Mr. Borrer.
rivulosa	1737.	On rocks on Ightham Common.
Lightfootii	1451.	Ou trees on Broadwater Forests.
quernea	485.	On the bark of oak trees at the High Rocks; near Peun's Rocks and else- where, frequent.
viridescens	2217.	On the bank between Penn's Rocks and the Tunbridge Wells and Marcsfield road, &c.
incana	1683.	On frees by the Ramslye Rocks, without apothecia.
sulphurea	1186.	On the wall of Groombridge Church.
expallens (Liehen orosthet	1549. is. E.B.)	Ou the bara between Tunbridge Wells Common and Hurstwood.
æruginosa		On old rails at Buxted, &c.
quadricola	1185.	Broadwater Forest, and in the Rock Wood near Penn's Rocks, abundant.
coronata (Liehen brunneu	1246. (uot good.) s, E.B.)	On the bank by the Keeper's House be- tween the Eridge road and Broadwater Forest, &c.
anomala (Lichen cyrtellus	2155. s, E.B.)	On the trunks of trees.
vernalis	845.	On trees by the road side between Tun- bridge Wells and Eridge, and between Uckfield and and Marcefield.
cornea	965.	On trees in the wood between Ramslye and the High Rocks; and near Penn's Rocks.
ferruginea	1650.	On trunks of trees, &c., common.
icmadophila (Lichen ericetore	372. im, E.B.)	Broadwater Forest, Eridge Rocks, and elsewhere on moist rocks and on the ground, frequent.
lutea	1263.	On the bark of fir trees at Eridge.
polytropa	1264. (lower fig.)	Eridge Rocks. Wm. Borrer, Esq.
lucida	1550,	On the sand rocks, not common, and rarely in fruit.



Genera and Species.	Tab. of Eng. Botany, &c.	English Name, Localities, and other remarks.
ulmicola (Lichen lutea	1426. i-albus, E.B.)	On trees at Eridge, &c.
aurantiaca (Lichen salici	1305. inus, E.B.)	On ash trees in Eridge Park, &c.
coarctata (Lecanora, H	.00K.)	ad.) Walls, stones, &c., common.
		a, Hook.
glebulosa	1955.	On rocks on Tunbridge Wells Common, and on the sand rocks near the Toad Rock on Rusthall Common.
scalaris	1501.	On trees on Tunbridge Wells Common, without apothecia.
	* * * Pl	acodium, Hook.
canescens	582.	On boarded buildings, trees, walls, &c., common.
plumbea	353.	On trees in Eridge Park, abundant.
LECANORA (1)		Lecanora.
atra	949.	On walls, trees, and on the sand rocks.
exigua	1849.	On boards of old barns, &c.
sophodes	1791.	On trees by the rocks between Uckfield and Maresfield.
subfusca	2109.	On the trunks of trees, &c., abundant.
cæsiorufa	1040.	On brick and stone walls.
farinaria	2727. Supt.	Eridge Park pales, without shields.
Hæmatomma	486. (2)	On the sand rocks, common.
cerina	627.	Eridge park pales, and on the smooth bank of trees, &c.
varia	1666.	On trees on Tunbridge Wells Common, and on Eridge Park pales.
albella	2154.	Eridge Park pales.
Parella	727.	On the sand rocks, frequent.
tartarea	156.	On the sand rocks, common.
Turncri	857.	On trees at Eridge, &c., and with shields, which are rare, on a tree at Hawkhurst.
vitellina	1792.	On trees on Tunbridge Wells Common.
pezizoides (Lecidea coror in par		High Rocks, in one spot only.
murorum (callopisma, A Squamaria	2157. .ch	On rocks and walls, frequent.

⁽¹⁾ Lichen, E.B., except those figured in the Supplement. (2) Also Lichen coccineus, E.B. 223.

	01012100	JUNEARS.
Genera and Species.	Tab. of Eng. Botany, &c.	English Name, Localities, and other remarks.
900	* Squ	uamaria, Hook.
PARMELIA (1)	_	Parmelia.
eandelaria	1794.	On trees on Tunbridge Wells Common, bearing shields, which are rare.
β polycarpa	1795.	On trees, walls, old pales, &e.
lanuginosa		Eridge Rocks. W. Borrer, Esq.
Clementi	1779.	On trees on Tunbridge Wells Common.
eæsia	1052.	On slate roofs at Pembury, &c.
affinis	983.	On trees in Eridge Park.
conoplea		On trees in Eridge Park, without shields. This is confounded with P. affinis by Hook.and other authors—the apothecia however, which was gathered by Mr. Borrer and myself during a Botanical walk over Blackdown in 1840, proves it to be very distinct from that species.
adglutinata, Flo	rke(2) 2158.	On the bark of trees, frequent.
	** P	armelia, Hook.
caperata	654.	On trees, rocks, &c., very common.
scortea	2065.	On an hovel at Hill Park near Wester- ham, in abundance. Mr. R. Scott. On beech trees at Buckhurst Park; Plax- tol, and Chipstead.
tiliacea	700.	On trees at Hill Park near Westerham.
Borreri	1780.	On trees, common. On Tunbridge Wells Common in 1837, with shields, which are rare, and <i>Mr. R. Scott</i> finds it with them, very fine, in Hill Park nearWesterham.
sulcata, Taylor, (included wit by other	h P. saxatilis	On trunks of trees, rails, &c., frequent.
saxatilis (P. conspersa	603. , Fl. Ton.)	On the Eridge Rocks, very fine, and on trees in Eridge Park and other places, frequent. A variety <i>Endocarpon parasiticum</i> , E.B., on Eridge Rocks.
proboscidea (3) (Tay. Fl. Hib	2423.(excluding the shield	ing On Hungershall Rocks and at Eridge ds.) Rocks with shields. W.Borrer, Esq. 1 gathered it with shields at Eridge in 1840.

⁽¹⁾ Lichen, E.B., except P. crosa figured in the Supplement. (2) Lichen elainus. E. B. Squamaria eleina, Hooker, but not Parm. elaina, Wahl. according to Borrer, in E.B. Supt. (3) P. perforata, E.B. and Hooker, but according to Taylor, not of Ach.

1840.



Genera and Species.	Tab. of Eng. Botany, &c.	English Name, Localities, and other remarks.	
perlata	341.	On trees, rocks, &c., abundant. 7 apothecia, which is rare, I gathered Mark Cross in 1839, and in 1842.	
lævigata	1852,	On the rocks at Eridge, sparingly, twithout apothecia. W. Borrer, Es and on Peuu's Rocks. A variety the fir trees on Eridge Rocks be shields abundantly.	
reticulata, Taylor		Penn's Rocks. W. Borrer, Esq.	
olivacea]	2180.	On trees, old pales, &c., abundant, remarkable state, exhibiting scatte scutella with scarcely a vestige thallus, occurs on Eridge Park pales	
corrugata	1652.	On trees on Tunbridge Wells Commwithout shields.	
pulvcrulenta	2063.	On trunks of trees, &c., very commor	
pityrea	2064.	On trees on Tuubridge Wells Commor	
erosa	2807. Supt.	On trees on Tunbridge Wells Commo Penshurst Park, and other places.	
stellaris	1697.	On the trunks of trees, very common.	
cycloselis	1942.	On trees on Tunbridge Wells Comm	
β virella	1696.	On the trunks of trees, frequent.	
aleurites	858.	Eridge Park pales.	
parietina	194.	On trees and walls, abundant.	
physodes	126.	At Eridge, bearing shields abundant On trunks of trees, heaths, &c., ve common, without scutella.	
	* * * Eve	rnia, Hook.	
prunastri	859.	On trees, old pales, &c., common. The apothecia, which are considered real have gathered at Eridge: Bucklus Park; Redleaf: Brechley: Haw hurst; Rotherfield, and in great abudance on the head of an old barn Burwash.	
** * * Borrera, Hook.			
ciliaris	1352.	On trees, boarded buildings, &c., ve common.	
tenclla	1351.	On trees, and on bushes, &c., frequer rarely with shields.	
β leptalea		Trunks of trees, &c., common, a bearing shields in abundance.	
furfuracea	984.	Eridge sand rocks. W. Borrer, Es without apothecia.	



Genera and Species.	Tab. of Eng. Botany, &c.	English Name, Localities, and other remarks.
flavicans	2113.	On trees in Eridge Park; Wadhurst and elsewhere, no apothecia.
RAMALINA (1)		Ramalina.
fraxinea	1781.	On trunks of trees, frequent.
farinaeea	889.	On trunks of trees, &c., common, apothecia rare.
fastigiata	890.	On trees, old pales, &e., common.
pollinaria	1607.	On barn doors, &e., not unfrequent.
STICTA (2)		Sticta.
herbacea	294.	On trees in Eridge Park, and on the sand rocks.
glomulifera	293.	On trees at Eridge Park.
pulmonaria	572.	On trees in Eridge Park; Buckhurst Park, &c., frequent, especially on oak, and on the sand rocks.
serobiculata	497.	On trees at Eridge Roeks, and in Eridge Park, &e.
limbata	1104.	Eridge Park, without apotheeia.
COLLEMA (3)		Collema.
eristatum (Liehen, erispus	834. s, E.B.)	Ou the rocks, among mosses, &c.
nigreseens	345.	On trunks of trees, &e., frequent.
granulatum	1757.	On the ground, &e., common.
erispum	2716. f. 1. Supt.	On walls, &e., not uncommon.
laeerum	1982.	Hungershall Rocks, among mosses, &c.
subtile	1008.	In the lane from Rusthall Common to the High Rocks.
ALECTORIA		Rock Hair.
jubata		
β ehalybeiformi	s 1880. (upper figure.)	High Rocks; Eridge Rocks, &c., without apothecia.
YT	Tribe 6.	Orbilliferi.
USNEA (4)	670	Usnea.
florida (5)	872.	On Branches of old trees, frequent. In Eridge Park, with apothecia, 1840.
plieata	257.	On trunks of old pales, &c., frequent.
barbata (Lichen, artieula	258. itus, E.B.)	On an oak tree between Mark Cross and Rotherfield.

⁽¹⁾ Lichen, E.B. (2) Lichen, E.B. (3) Lichen, E.B. except the one figured in the Supplement.

⁽⁴⁾ Lichen, E.B. (5) And Lichen hirtus, E.B. 1354.



Genera and Tab. of Eng. English Name, Localities, and Species. Botany, &c. other remarks. Tribe 7. Peltigeri.

CORNICULARIA Cornicalaria. aculeata 452.

On heaths and the forests, frequent. (Lichen hispidus, E.B.)

CETRARIA Cetraria. glauca

1606. Eridge Rocks, without apothecia. Wm. (Liehen glaucus, E.B.) Borrer, Esq.PELTIDEA

Pellidea. scutata 1834. On trees at Westathly, without fruit. horizontalis

888. bad (1) Eridge Rocks, &c., common. rufescens On banks between Frant and Bell's Ewe 103. Dill., H.M. (2)

Green, and between Lamberhurst and Goudhurst, and several other places. polydactyla, Ach. Eridge Rocks. 107. Dill., H. M.

canina 2099. Upon the ground; on trees, and on the roofs of houses, &c., common.

β membranaeca, Ach. Eridge Rocks, &c., growing on mosses. y spurium, Hook. 1542. On hedge banks, &c., not common.

(Lichen spurius, E.B.) NEPHROMA

Nephroma. resupinata On trees at Eridge, &c. (Lichen resupinatus, E.B.)

Tribe 8. Cephalodiophori. BEOMYCES (3) Bæomyces.

rosens 371. Broadwater Forest and other places, fre-(Lichen Bæomyces, E.B.) rufus

373. On rocks, and on banks in the forest dis-(Lichen byssoides, E.B.) triet, common.

CLADONIA (4) Cladonia. * Scyphophorus. Hook.

coespitieia 1796. Hungershall Rocks; Eridge; Oldbury Hill, Ightham; and on banks near Cruss in Hand, &c.

(1) t. 2300, E.B. called Lichen rujescens appears to me a better figured P. horizonialis.

(2) Dillenius, Historia Muscorum. (3) Lichen, E.B.

(4) In E.B. each individual figured is given as a species, and all except *C. cariosa*, under the generic name *Lichen*.—Our district is favourable for the study of these plants, their much varied forms abounding among the rocks, and on the forest heaths. Attentive consideration of them, at all seasons, in their various places of growth, has convinced me that the *species* are comparatively few, and that the essential differences are to be looked for in the Cephalodia and in the stalks (podetia;) their variations however sportive, being still restricted to certain

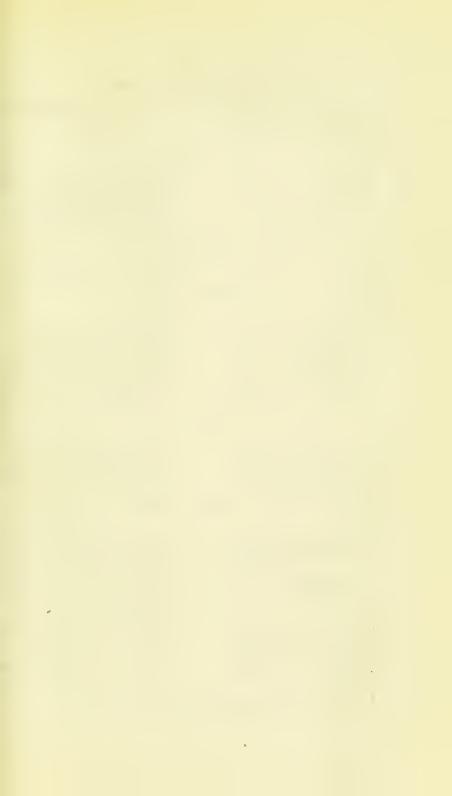
 \mathbf{Z}

Genera and Species.	Tab. of Eng. Botany, &c.	English Name, Localities, and other remarks.
delicata (Sc. parasitica,	2052. Hook.)	On an old tree at Harrison's Rocks.
ventricosa (1) Shæ	erer	Broadwater Forest, &c.
β sparassa	2362.	On the sand rocks, among mosses, &c., abundant.
γ pityrea, Ach.		Broadwater Forest, &c.
δ anomæa	1867.	On thatch, frequent.
a cariosa	2761. Supt.	Horsmonden, and on Broadwater Forest.
ζ microphylla	1782.	Broadwater Forest.
cervicornis	2574.	Rusthall Common.
β verticillata (H. M. t. 14. f	C. 6. D—H.)	Broadwater Forest.
gracilis	1284.	On the forests, heaths, &c., abundant.
alcicornis	1392.	Hungershall Rocks, Eridge Rocks, &c.
filiformis	1028.	On old rails, gate posts, the sand rocks
β bellidiflora	1894. (2)	and our forest heaths, abundant. Eridge Rocks, and in the Rock Wood near Penn's Rocks.
γ digitata	2439.	Rock Wood near Penn's Rocks, very fine
δ cornuta	1836.	Eridge and on the forests.
∉ radiata	4835.	On the forests, heatbs, &c.
ζ bacillaris, Ach.		Broadwater Forest.
coccifera	2051.	On Broadwater Forest, and elsewhere or the forests and heaths, frequent.
deformis	1394.	Broadwater Forest, Eridge Rocks, and it the Rock Wood near Penn's Rocks.
pyxidata	1393.	On banks and on the forests, &c., frequent.
β fimhriata (Lichen fimbri	2438. atus, E.E.)	On banks and on the forests, &c., frequent.
γ Pocillum		On banks, rocks, and on the ground, very common.

bounds. Taking these chiefly as my guides, I am persuaded that the distribution that I have adopted of these varieties is not very different from that prescribed by nature.—I am not in every instance satisfied as to the propriety of the specific names, not having had sufficient opportunity to acquaint myself with the various writers on the genus. The conclusions I have come to, as to the bound of the species, are the result of my own independent observation, and I am glato find Mr. Borrer much inclined to sanction them.

⁽¹⁾ I adopt this name, on account of its priority, supposing the species to b "Lichen ventricosus," Huds.

⁽²⁾ Ours is not exactly the mountain form figured in E.B., but it is extremely mear to it.



	CRIFIUGA	MIALICHENES.			
Genera and Species.	Tab. of Eng. Botany, &c.	English Name, Localities, and other remarks.			
* * Cladonia, Hook.					
uncialis	174.	On the forests, heaths, &c., common.			
rangiferina	173.	On the forests, heaths, &c., very abundant. This plant is the Rein Dee Moss of the Laplanders.			
furcata (H. m. t. 16. f. 26	. 27.)	On the ground both in the forest and i the chalk district, common.			
* * * Pycnothelia, Hook.					
Papillaria	907.	Broadwater Forest, abundant.			
Toypyses (1)	Tribe 9.	Globuliferi.			
lutescens (Lepraria, E.B.)	1529.	On trunks of trees.			
coccodes	1511.	On trunks of trees, old rails, &c.			
β phymatodes		Tunbridge Wells Common.			
Westringii	2204.	Uckfield. W. Borrer, Esq. High Rock			
coralliuum	1541.	Rocks between Uckfield and Maresfield Wm. Borrer, Esq.			
	Tribe 10	. Cistuliferi.			
SPHEROPHORON		Sphærophoron.			
coralloides (Lichen globifere	115. as, E.B.)	On the sand rocks at Hungersball, Eridge and High Rocks.			
compressum (Lichen fragilis, l	114. E.B.)	Eridge Rocks, Harrison's and High Rock &c., frequent.			
	Tribe 11	. Pilidiiferi.			
CALICICIUM		Calicium.			
turbinatum, Pers. (C. sessile, E.B. 8	2520. & IIook.)	Parasitic on <i>Pertusaria communis</i> . Turbridge Wells Common; Eridge, ar elsewhere, frequent.			
microcephalum (Lichen, E.B.)	1865.	Kidbrook Park pales. W. Borrer, Ess And on an old tree at Coursely Wood Wadburst.			
sessile, Pers,		On oaks at the High Rocks.			
tympanellum (Lichen inquinan	810. s, E.B.)	On old pales, gates, post tops, &c., com			
ferrugineum	2473.	On old pales at Shipbournc.			
elavellum (Lichen, E.B.)	1465.	Ou boarded buildings, &c., frequent.			
(1) Lieben E P except the first species					



CRYPTOGAMIA.-LICHENES.-CHARACER.

English Name, Localities, and

Tab. of Eng.

Genera and

nidifica

vulgaris

Hedwigii

CHARA

(Chara, E.B. & Hook.)

336. Spr.—Aut.

2762.Supt. Spr.

Species.	Botany,	&c.	other remarks.
hyperellum (Lichen, E.B.	1832.		At Boarsell, and on a tree at Browning's.
chrysocephalun	n 2501.		On a barn at Penn's Rocks, and on old pales at Shipbourne, &c.
phæocephalum (Lichen trabin			On a barn between Tunbridge Wells Common and the Hurst Wood; Penn's Rocks, and on an old hovel at the back of the keeper's house on Broadwater Forest.
chlorellum (Lichen acicu	2385. laris, E.B.)		On a barn at Penn's Rocks.
curtum	2503.		Shipbourne and elsewhere, on old boards protected by the eaves of thatched buildings, on decayed rails, &c.
debile (Lichen, E.B.	2462.		On an old barn between Tunbridge Wells Common and the Hurst Wood, and elsewhere on old timber under the eaves of thatched buildings.
sphærocephalum (Lichen, E.B.			On an old barn at Penn's Rocks.
furfuraceum (Lichen capit	1539. atus, E.B.)		On the High Rocks; Eridge Rocks, &c.
		Order 5.	Characeæ,
NITELLA			Nitella.
transluscens (Chara, E.B. 8	1855. z Hook.)	Sum.	In ponds on Framfield Common, and in Barnett's Wood, &c., rare.
flexilis Chara, E.B. &	1070. Hook.)	Spr.	On Tunbridge Wells Common; in a spring well near the brick yard between Tunbridge Wells and Eridge. Withyham; Framfield, &c., not un-

frequent.

1703. Sum.—Aut. In a pond near Framfield Common. Jos.
Hook.)

1705.

Buxted.

&c.

Chara.

Mayfield

Ditches at Tunbridge; pond at Hill Park near Westerham, &c.

W. Borrer, Esq.



CRYPTOGAMIA.-ALGR.

Genera and Species

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

Order 6. ALGÆ, (1)

Tribe 1. Chlorospermeæ, Harv.

Fam. 1. Siphoneæ.

VAUCHERIA

Spr., Sum. In ponds and ditches, frequent.

dichotoma (Conf. E.B. 932.)

Dillwynii Spr. & Aut. (Conf. frigida, Dillw. t. 16.)

terrestris (Berk. Gl. Alg. t. 9.) Spring.

sessilis, E.B. 1765.

Spr. & Aut. cæspitosa Spring. (Conf. amphibia, Dillw. t. 41.)

Vaucheria.

On the ground in damp shady places, particularly in turnip fields.

On the bank by the stream near the High Rocks, and elsewhere on the ground in moist shady places.

In pools, ponds, &e., commou.

In wet places on Rusthall Common; on the margins of pools, ponds, and by watercourses, &c., eommou.

BOTRYDIUM (2)

granulatum Spr. & Aut. (Tremella granulata, E.B. 324.)

Botrydium.

On the mud in ponds, &c., where the water is partly dried up.

Fam. 2. Lemanieæ.

LEMANIA

fiuviatilis (Conf. E.B. 1763,) Lemania.

In the stream at Hamsell, and at the waterfall at Harrison's Rocks, in abundance.

Fam. 3. Batrachospermea.

BATRACHOSPERMUM

moniliforme

Spring. (Conf. gelatinosa, E.B. 689.)

Autumn.

Frog Spawn. In the Cold Bath Spring; in a spring between Rusthall Common and Still Green; Heathfield, &c.

atrum (Conf. atra, E.B. 690.) Stream at Hamsell near Eridge.

Fam. 4. Chætophoroideæ.

DRAPARNALDIA

glomerata (Conf. mutabilis, E.B. 1740.) Draparnaldia.

Cold Bath, and clsewhere in pools, streams, &c., common.

⁽¹⁾ Comparatively few of the species of Algæ, found growing in this district, have been published in the Eng. Bot., consequently the column for reference to it is not required.—In the column for Time of Maturity, &c. where the season is omitted, it is to be presumed that those species are found in perfection at various periods throughout the year.

⁽²⁾ Hydrogastrum, Endlieher, Gen. Plantarum.

Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

CHETOPHORA

Chætophora.

tubereulosa. (Rivularia, E.B. 2366.) 8pring.

Barnett's Wood.

elegans, Ag. (Rivularia, E.B. 1797.)

Spring.

In a pool near the brick yard betwee Tunbridge and Eridge.

Fam. 5. Conjugateæ. (1) * Filaments congugating. + Cells not inverted. * Spires numerous.

ZYGNEMA (2)

Zygnema.

maximum Autumn. (Z. maximum, var. β Hassall. Ann. (3) vol. 10, p. 432.)

orbiculare, Hass. MSS. Spr. & Sum. (Z. maximum, Ann. vol. 10, p. 36,)

June.

(Hass. Ann. vol. 10. p. 36.) nitidum May.

(Conf. jugalis, Fl. Dan.)

In a pond at Waldron.

In a pond at Withyham.

In the poud between Ramslye Roel and Broadwater Forest. In a pool on Framfield Common; the pond on Still Green near Rus hall Common; on Tunbridge We Common, and between Tunbrid Wells Common and Hurst Woo A small part of a filament of th

species is correctly figured in E. t. 1656, the lowest fig. on the le with spires only.

negleetum, Hass. S (Conf. jugalis, Dillw. t. 5.) Spr. & Sum. In the pond on Still Green, ne Rusthall Common; Cross in Han in a pond near the Five Ash Mayfield; and in a pond betwe Tunbridge Wells Common and t Hurst Wood.

Spires two.

deciminum, Ag.

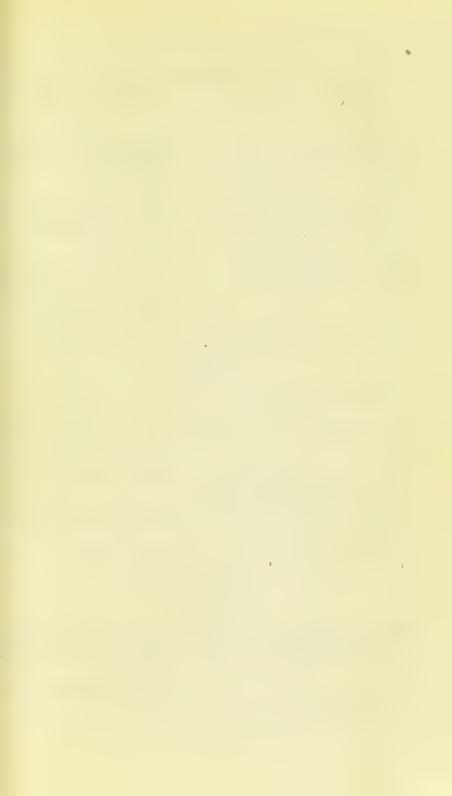
June.

In a pond between Ramslye Roc and Broadwater Forest.

⁽¹⁾ For this arrangement of the Conjugateæ, Cystospermeæ, and Lyngbyac I am indebted to the kindness of Mr. Hassall, who informs me that it is nea that intended to be followed in his "History of the British Freshwater Alge which is now in course of preparation, and which, according to the Prospect will furnish "a complete account of their Modes of Reproduction, Growth, & with plates illustrating every species."

⁽²⁾ Spirogyra of Link, Meyen and Endlicher-Zygnema, sect. 6, Agardh.

⁽³⁾ Annals and Magazine of Natural History. Taylor, London.



Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

‡ ‡ ‡ Spires Single.

varians, Hass. MSS. April. (Z. quininum var. Hass. Ann. vol. 10. p. 35.)

At Hawkhurst, and in a pond in a cottage garden between Broomhill and Speldhurst.

æstivum May. (Hass. Ann. vol. 11. p. 433.)

Wadhurst.

malformatum May-June. (Hass. Ann. vol. 10. p. 39.)

In a pond at Still Green, and in the watercourse by the road side near the Blackboy's Toll Gate.

eommune (Hass. Ann. vol. 10. p. 39.)

Framfield Common.

flavescens, Hass. MSS. April.

Broadwater Forest; Waterdown Forest, and in the pond by the foot path between Tunbridge Wells Common and the Hurst Wood.

parvum May, June. (Hass. Ann. vol. 10. p. 41.)

In a pond between Ramslye Rocks and Broadwater Forest.

+ + Cells inverted. **Spires two.

Grevilleanum April. (Hass. Ann. vol. 10. p. 38.)

Framfield Common.

‡ ‡ Spires single.

subventrieosum April, May. (Hass. Ann. vol. 10. p. 38.)

Heathfield; in a pond near Boar's a Head, and in a pond at Ramslye Rocks.

elongatum Summer. (Conjugata, Vauch. t. 6. f. 1. Conf. punctalis Müller, Fl. Dan. Z. æquale, Hass. Ann. vol. 10. p. 39.)

In a pond between Pembury and Lamberhurst Quarter.

inflatum April.
(Conjugata, Vauch. t. 5. f. 3.
Z. varians, Hass. Ann. vol. 11. p. 431.)

Rusthall Common, and between Sharp's Bridge and Piltdown Com.

tenuissimum April. (Hass. Ann. vol. 10. p. 41.) Delmonden, Hawkhurst.

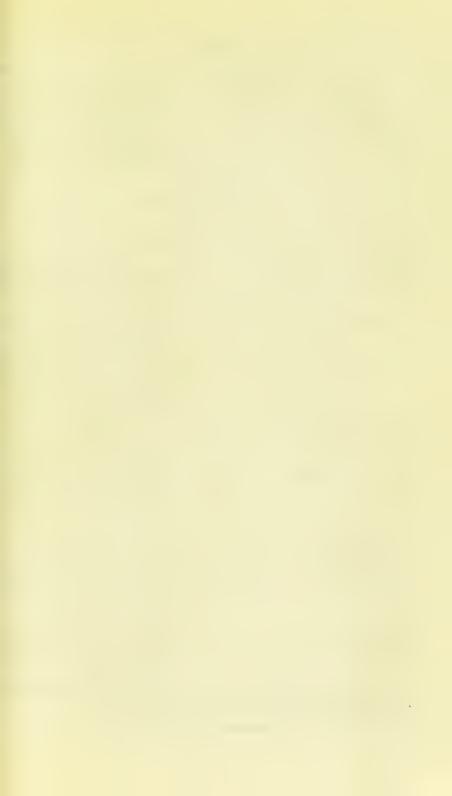
* * Filaments not conjugating.

† Cells not inverted.

‡ Spires single.

Woodsii, Hass.MSS. April, May. (Conf. spiralis, var. Dillw. Syn. No.37.p.50. joining the church yard; in the pond at Ramslye, and in some posses between Hook Green and Lamberhurst.

angulare May, June. Mayfield; between Sharp's Bridge (Hass. Ann. vol. 10, p. 41.) Mayfield; between Sharp's Bridge and Piltdown Common, &c.



CRYPTOGAMIA -

CRYPTOGAMIA.—ALGÆ.		
Genera and Species.	Nat. Order. Time of Mat.	English Name, Localities, and other remarks.
mirabile, Hass. MSS.	_	In the pond between Tunbridge Wells Common and the Hurst Wood, and in a pond at Burwash.
+ + Cells inverted.		
‡ Spires two.		
Hassallii, MS. (1)	April.	Sandhurst.
‡ ‡ Spires single.		
quadratum (Hass. Ann. vol. 10. p.	April.	Pond at Ramslye.
intermedium (Hass. Ann. vol. 10. p.	May.	Pond at Ramslye; watereourse by the road side at Wadhurst, and in a wet place on Tunbridge Wells Common.
Jenneri, Hass. MSS.	Mar., Apr.	In a wet spot by the road side between Dudsland Toll Gate and the Hale Farm Mayfield; in the pond at Ramslye; in the watercourse by the road side near Mark Cross, &c. This beautiful species is not uncommon. It is generally found in watercourses by road sides, and is one of the earliest fruiting species in the genus.
Tyndaridea (2) anomala, Ralfs' MSS.	Mar., Apr.	Tyndaridea. In a boggy spot near Cross in Hand opposite to where the road branches to Hailsham.
insignis, Hass. MSS.	April, May.	Rusthall Common; in a pool by the roadside between Cross in Hand and Heathfield; pond near Five Ashes, Mayfield; and on Waterdown Forest.
stellina (Conjugata, Vaueh. t.	May. 7. f. 1.)	In ponds at Waldron, and at Hartfield.
stagnicola (Hass. Ann. vol. 10. 1	April. o. 42.)	Rusthall Common; Waterdown Forest, and near Cross in Hand.
Ralfsii (Hass. Ann. vol. 12. p	April.	In a boggy spot near Cross in Hand. opposite to where the road bran- ches to Hailsham, and on Piltdowr

Spr., Sum.

MOUGEOTIA

genuflexa

(Conferva, Dillw. t. 6.)

Common.

Mougeotia.

In ponds at Mayfield, Wadhurst Ticehurst, &c., and in ditches about Tunhridge and clsewhere not unfrequent.

⁽¹⁾ Mr. Hassall was the first discoverer of this very distinct and beautifu species, of which no description has yet appeared, and surely no one better deserves commemoration in the name of a Freshwater Algæ.

⁽²⁾ Zygnema, Agardh and Endlicher.



Genera and Species

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

MESOCARPUS, Hassall.

-sealaris Apr., May. (Mougeotia Hass. Ann. vol. 10. p. 45. & vol. 12. t. 7. f. 7.)

β May. (Hass. Ann. vol. 12. p. 186. t. 7. f. 8.)

intricatus May. (Hass. Ann. vol. 12. p. 76. t. 7. f. 9.)

depressus April. (Hass. Ann. vol. 12. p. 186. t. 7. f. 11.)

parvulus April. (Hass. Ann. vol. 11. p. 434. and vol. 12. p. 187. t. 7. f. 13.)

β April. (Hass. Ann. vol. 11. & vol. 12. p. 187. t. 7. f. 14.)

STAUROCARPUS

eæruleseens Apr.—June. (Conf. E.B, 2457. S. eapueinus, Hass. Ann. vol. 12. p. 185. t. 7. f. 2.)

quadrangulatus April, May. As (Mougeotia, Hass. Ann. vol. 11. p. 434. and S. vireseens, vol. 12. p. 185. t. 7. f. 3.)

graeilis April. (Hass. Ann. vol. 12. p. 185. t. 7. f. 5.)

graeillimus Spr. & Sum. (Hass. Ann. vol. 12. p. 185. t. 7. f. 6.)

ZYGOGONIUM, Kützing.

ericetorum (Conferva, E.B 1553. bad Dillw. t. 1.)

Mesocarpus.

By the road side near Blackboy's Toll Gate, and between Wyeh Cross and Horsted Keynes.

Crowborough Warren.

Broadwater Forest.

In 'a boggy spot near Cross in Hand opposite to where the road branehes to Hailsham.

In a boggy spot near Cross in Hand with the last.

Waterdown Forest.

Staurocarpus.

In a pool at Knight's Farm, Mayfield. Wm. Borrer, Esq. Also in the same boggy place near Cross in Hand with Mesocarpus, depressus, &c.

Ashdown Forest, and on Crawly Down near Turner's Mill.

Waterdown Forest; Broadwater Forest; Bogs at Fisher's Castle, and Crowborough Warren.

Ashdown Forest.

Zygogonium.

On the forests, heaths, &e., in abundance.

Fam. 6. Cystospermer.

VESICULIFERA, Hassall. (1)

coneatenata April, May. (Hass. Ann. vol. 10. p. 392.)

cardiaea April. (Hass. Ann. vol. 10. p. 391.)

paludina April. (Hass. Ann. vol. 10. p. 390.)

Vesiculifera.

In a pool between Hook Green and Lamberhurst.

In a pool between Hook Green and Lamberhurst.

Framfield Common.

Genera and Species.

Nat. Order. Time of Mat.

ovata

May. (Hass. Ann. vol. 10. p. 392.) April.

(Conf. tumidula, E.B. t. 1670.)

crispa, Hass. MSS. May, June.

vernalis April. (Hass. Ann. vol. 11. p. 434.) æqualis, Hass. MSS. April.

inæqualis, Hass. MSS. April. Mülleri Mar., April. (Hass. Ann. vol. 10. p. 393.)

lutescens, Hass.MSS. April. Spr. & Sum. bombycina (Hass. Ann. vol. 10. p. 394 Conf. sordida, Dillw. t. 60.)

BULBOCHÆTE

May. setigera (Conf. vivipara, E.B. t. 2086. and Dillw. t. 59.)

CLADOPHORA, Kütz. glomerata (Conf. E.B. t. 2192.)

∽fracta (Conf. Dillw. t. 14. & E.B t. 2338. and Conf. crispata Dillw. t. 93. and E.B. t. 2350. Microspora, Hass. Ann. vol. 11. p. 863.)

English Name, Localities, and other remarks.

Turner's Hill, and Heathfield.

Rusthall Common.

Between Wadhurst and Ticehurst and between Ramslye Rocks and Broadwater Forest.

Rusthall Common.

Rusthall Common, and Delmonden; Hawkhurst.

Rusthall Common, and Burwash. Rusthall Common; Hawkhurst, &c.

Framfield Common.

Rusthall Common; pond at Rams-lye; Heathfield; Burwash; Brambletye near Forest Row, &c., frequent.

Bulbochæte.

TunbridgeWells Common; in a pond! between Ramslye Rocks and Broadwater Forest; Piltdown Common, and in a pool by the road side at Goudhurst.

Cladophora.

Mayfield, &c., but not common im-mediately in the neighbourhood of Tunbridge Wells. In the water-fall at Hill Park, Westerham; and at Shoreham near Sevenoaks, in abundance.

In pools, ponds, ditches, &c., frequent. Conf. crispata is the state of this species before the articulations are inflated and the spores formed.

Fam. 7. Prolonemeæ.

Protonema.

Rotherfield and elsewhere, on banks in damp shady situatious.

> On the leaves of various Orthotricha, particularly O. Lyellii and O. siriatum.

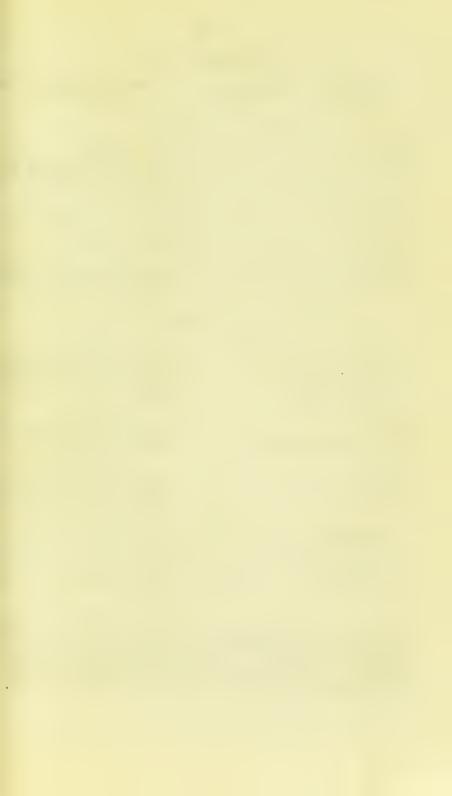
On stones by a stream at Wadhurst; on the sand rocks among mosses and elsewhere in shady places.

PROTONEMA

velutinum, Ag. (Conf. velutinum, Dillw. t. 77. but not C, velutinum, E.B. which is young Polytrichum aloides.)

Orthotrichi (Conf. Dillw. t. 89. Conf. muscicola, E.B. t. 1683.)

muscicola (Conf. castanea, Dillw. t. 27. and E.B. t. 1701.)



Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

Fam. 8. Lyngbyaceæ. (1)

LYNGBYA

(Conf. E.B. t. 1554. & Dillw. t. 7.)

(Sphæropica Berk. Glean, Alg. t. 3, f. 1.)

(C. fugacissima, Dillw. Supt. t. B.)

punctata

(Sph. punctata, Berk. Glean. Br. Alg.)

vermicularis (Sph. Hass. Ann. vol. 11. p. 436.) Lyngbya.

Bank on the Frant road, and elsewhere on banks, damp walls, &c.

In streams, pools, &c., common.

In streams, ditches, pools, &c., com-

Bogs at Fisher's Castle.

On Rusthall Common, and in boggy pools, &c. on Waterdown Forest and Ashdown Forest.

Fam. 9. Oscillatorieæ.

SCYTONEMA

myochrous (Conf. E.B. t. 1555.)

turfosum (E.B. Supt. t. 2826.)

MICROCOLEUS

repens (Conf. vaginata, E.B. t. 1995.)

OSCILLATORIA

tenuis (Conf. Dillw. t. 20.)

* decorticans (Conf. Dillw. t. 26. & Fl. Ton.)

(Conf. fontinalis, Dillw. t. 64. & Fl. Ton.)

Aut., Win. autumnalis, Harv.

Scytonema.

Crowborough Warren, and in Pressbridge Warren near Wych Cross.

Crowborough Warren. W. Borrer, Esq.

Microcoleus.

Cross in Hand; on the Lew, and on Grove Hill, Tunbridge Wells.

Oscillatoria.

Between Tunbridge Wells and the High Rocks, and elsewhere in muddy ditches, and in dirty stagnant water.

[On damp walls and stones. Forster.]

[On stones in rivers and springs. Forster.]

On rocks on Tunbridge Wells Com-

mon, &c.

⁽¹⁾ Mr. Hassall having kindly assisted me in this portion of my list, I have followed his arrangement, although I am inclined to think the proper place of the true Lynbyaccæ to be among the Oscillatoricæ and the Sphæropleæ of Berkeley, to form probably a distinct genus. For the same reason I adopted Mr. Hassall's generic name Vesiculifera among the Cystospermeæ, notwithstanding the objectionable construction of the word and the prior claim of Bory's name, Tiresias.



Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

Gloiotrichia.

Fam. 10. Rivulariæ.

GLOIOTRICHIA, J. Agardh

angulosa (Ag. Alg. Medit. p. 8. Rivularia, Ag. Harv. Man.—Ulva pruniformis, E.B. t. 968.) On the stems of aquatic plants in a pond on the common, east of the Lewes and Burwash road, near Easton's Green. W. Borrer, Esq.

Fam. 11. Nostochineæ.

ANABAINA

licheniformis (Sphærozyga, Ag.—Endlich.)

spiralis June. (Trichormus spiralis Allman Ann. vol. 11. p. 161.)

Nostoc

commune Autumn. (Tremella Nostoc, E.B. t. 461.)

Anabaina.

Bishop's Down Grove, and elsewhere on the ground in damp shady places, not common.

In a pool by the road side betweer Mayfield and Rotherfield, and in a pond on Still Green, and elsewhere in pools and ponds, not common.

Nostoc.

On the ground, very common.

Fam. 12. Ulvaceæ.

UL VA

crispa (E. B. t. 2754.)

ENTEROMORPHA

intestinalis (E. B. t. 2756.)

TETRASPORA

lubrica (E. B. t. 2825.)

PALMELLA

cruenta (E.B. t. 1800.)

protuberans (Ulva, E.B. t. 2583.)

hyalina (Grev. Crypt. Scot. t. 247.)

Grevillei (Berk. Glean, Alg. t. 5, f. 1.)

HAMATOCOCCUS

granosus (Pal. granosa, Berk, Glean.Alg. t. 5. f. 5.) Ulva.

On damp shaded walls; on the ground, &c., frequent.

Enteromorpha.

In ditches at Tunbridge, not common.

Tetraspora.

Piltdown Common; Cold Bath Lower Green; in springs, pools watercourses, &c., very common

Palmella.

On damp walls near the ground a Mayfield, and elsewhere, frequent

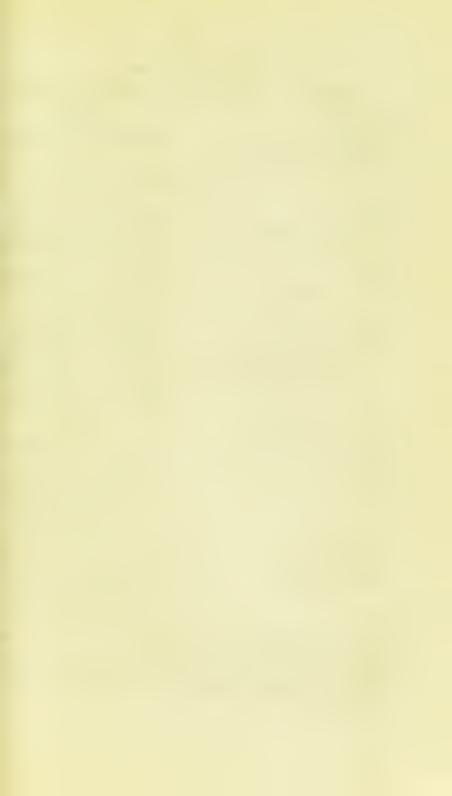
Onrocks at Uckfield; Eridge Rocks
High Rocks; Harrison's Rocks
and on the ground at Crow
borough Warren.

In ditches at Tunbridge; bogs a Fisher's Castle, &c.

On banks in shady moist places common.

Hæmatococcus.

Broadwater Forest.



Genera and Species

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

MERISMOPEDIA (1)

punctata, Meyen (Kütz. Phycol. Gencræl, p. 163. Gonium tranquillum, Ehrenb. Irf. t. 3. f. 3.) Merismopedia.

Ashdown Forest; Cold Bath Sprin : &c.

Fam. 13. DESMIDIEÆ. (2)

DESMIDIUM

Swartzii, Ag. (Grev. Scot. Crypt. t. 292.—Br. Fl. Harv. Man.—Ralfs Ann. vol. 11. t. 8. f. 3.)

DIDYMOPRIUM, Kütz.

Borreri (Dcs. Ralfs Ann. vol. 11. t. 8. f. 4.)

GLEOPRIUM, (Berk. MSS.)

dissiliens
(Conf. dissiliens, E.B. t. 2464.
not Conf. dissiliens, Dillw.
nor Br. Fl. nor Harv, Man.
Des. mucosum, Ann. vol.11.t.8,f.2.)

mucosum (Conf. mucosa, Dillw. Syn. t. B. Br. Fl. and Harv. Man.)

SCHISTOCHILIUM, Ralfs MSS.

unidentatum (Odontella? unidenata, Ehrenb.) excavatum, Ralfs MSS.

STAURASTRUM, Meyen orbicularc (Des. Ehrenb. Inf. t. 10. f. 9.) mucronatum, Ralfs MSS. Desmidium.

Near Mark Cross, Rotherfield. IN Borrer, Esq. Rusthall Commo and in a pond between Rams! Rocks and Broadwater Forest.

Didymoprium.

On Ashdown Forest near Duddle. Well, and in the great bog ne Forest Row.

Glæoprium.

Cold Bath Spring, and in pools, & on the forests and commons, ve frequent. In May 1843, it was the greatest abundance on Wate down Forest, filling a ditch is several yards.

Bogs at Fisher's Castle, very abudant September, 1844.

Sehistoehilium.

Rotherfield, and in Jack's Wo : Spring.

In a boggy spot near Cross in Ham opposite to where the road braches to Hailsham; bogs at Fis cr's Castle, and in a poud betwe Ramslye and Broadwater Fores:

Staurastrum.

Jack's Wood Spring; Cross in Han-&c.

In pools and boggy places on As down Forest; Piltdown Commo Fisher's Castle, aud near Cross Hand.

⁽¹⁾ This genus is placed in *Desmidieæ* by *Meneghini* and *Kützing*, but I belic it to be more correctly placed by *Meyen* in *Ulvaceæ*.

⁽²⁾ I am indebted to the kindness of Mr. Ralfs for the arrangement of this Facily; and I have adopted throughout the names given by him in a series of paperead before the Bot. Society of Edinburgh, and now in course of publication was in the Ann. and Mag. of Nat. History.

2 c

Genera and Species.

Nat. Order. Time of Mat.

muricatum, Breb. (Mgh. Syn. Des. p. 226. (1) Des. apiculosum, Ehrenb.)

tricorne, Mgh. (Des. bexaceros, Ehrenb. Inf. t. 10, f. 10.)

aculeatum, Mgh. (Des. aculeatum, Ehrenb. Inf. t. 10. f. 12.)

β (var. with four rays)

dilatatum, Ehrenb. (Inf. 10. f. 13.)

margaritaceum, Mgh. (Pentasterias, Ehrenb. Inf. t. 10. f. 15.)

Jenneri, Ralfs MSS.

convergens. Mgb. (Arthrodesmus, Ebrenb. Inf. t. 10. f. 18.)

Incus, Mgh. (Syn. Dcs. p. 228.)

XANTHIDIUM, Ehrenb.

furcatum (Ralfs Ann. vol. 14. t. 12. f. 1. Ehrenb. Inf. t. 10. f. 25.)

aculeatum (Ralfs Ann. vol. 14. t. 12. f. 2. Ehrenb. Inf. t. 10. f. 23.)

faciculatum (Ralfs Ann. vol. 14. t. 12. f. 3. Ehrenb. Inf. t. 10. f. 24.)

Cosmarium

margaritiferum (Ralfs Ann. vol. 14. p. 393. t. 11. f. 4. Euastrum, Ehrenb. Inf. t. 12. f. 7.)

ornatum, Ralfs MSS. (Ralfs Ann. vol. 14. p. 392. t. 11. f. 3.)

Botrytis, Mgb. (Ralfs Ann. vol. 14. p. 393, t. 11. f. 5. Euastrum, Ehrenb, Inf. t. 12. f. 8.) English Name, Localities, a other remarks.

Wet places at Mayfield; Piltdov Common, and Heathfield.

In pools and boggy places on Pi down Common, Asbdown Fore Rusthall Common, and in a w place between Mayfield and Ha low Down.

In a boggy place near Cross in Ha opposite to where the road braches to Hailsham.

Piltdown Common.

Rusthall Common.

Ashdown Forest.

In a wet place near the Five Ash between Mayfield and Hadl Down.

Rusthall Common.

In a boggy spot near Cross in Ha where S. aculeatum grows, and the bogs at Fisher's Castle.

Xanthidium.

Rusthall Common; Ashdown Féest; Piltdown Common; neecross in Hand, and in the bogs Fishers' Castle, &c.

Ashdown Forest, and near Cross Hand.

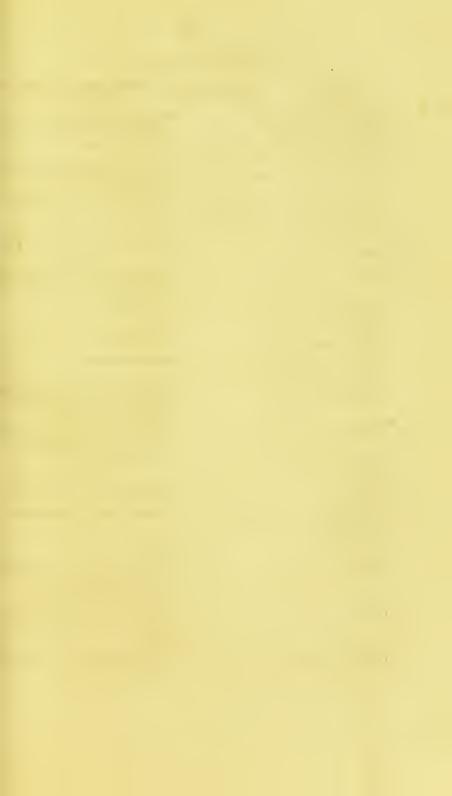
In the pond between Ramslye a Broadwater Forest.

Cosmarium.

Rustball Common; Waterdown Feest; Mayfield; bogs at Fishe Castle; Jack's Wood Spring; Asdown Forest; &c. A commeand very variable species.

Ashdown Forest, near Duddleswe

Cold Bath Spring; Waterdov Forest, &c.



CRYPTOGAMIA .- ALGAR.

Genera and Species Nat. Order. Time of Mat. English Name, Localities, and other remarks.

crenatum, Ralfs MSS. (Ralfs Ann. vol. 14. p. 394. t. 11. f. 6.)

quadratum, Ralfs MSS.

(Ralfs Ann. vol. 14. p. 395, t. 11. f. 9.)

ovale, Ralfs MSS.

(Ralfs Ann. vol. 14. p. 394. t. 11. f. 7.) Cueumis, Corda (Ralfs Ann. vol. 14. p. 395. t. 11. f. 8.

Euastrum, integerrinum, Ehrenb. Inf. t. 12. f. 9.)

Cucurbita, Breb.

CLOSTERIUM, Ehrenb.

Lunula (Ehrenb. Inf. t. 5, f. 15.)

moniliferum (Ehrenb. Inf. t. 5. f. 16.)

aeerosum (Ehrenb. lnf. t. 6, f. 1.)

Cornu (Ehrenb. Inf.'t. 6. f. 5.)

turgidum (Ehrenb. Inf. t. 6. f. 7.)

striolatum (Ehrenb. Inf. t. 6, f. 12.)

lineatum (Ehrenb. Inf. t. 6. f. 8.)

rostratum (Ehrenb. Inf. t. 6. f. 10.)

Aeus, Nitzseh. (Kütz. Synop. Diatom. f. 81.)

setaceum (Ehrcub. Inf. t. 6. f. 11.)

Digitus (Ehrenb. Inf. t. 7. f. 3.)

Trabeeula (Ehrenb. Inf. t. 6. f. 2.)

margaritaeeum (Ehrenb. Inf. t. 6. f. 13.) Mayfield; bogs at Fisher's Castle; Piltdown Common, &c.

Rusthall Common.

In a pond between Ramslye and Broadwater Forest.

Bogs at Fisher's Castle; Mayfield; Rusthall Common, &c.

Ashdown Forest, with C. ornatum.

Closterium.

Rusthall Common; Waterdown Forest; Ashdown Forest; Colebrook Park, &c.

Framfield, &e.

Warbleton, &e.

Piltdown Common.

Bogs at Fisher's Castle; Warbleton; WaterdownForest; Piltdown Common, and Ashdown Forest.

Waterdown Forest; Piltdown Common; Ashdown Forest; Warbleton; near East Grinstead, &c.

Ashdown Forest.

Heathfield; Warbleton; Waterdown Forest, &c.

Ashdown Forest; Heathfield, &c.

Waterdown Forest, and near Cross in Hand.

Bogs at Fisher's Castle; Ashdown Forest; Scrubbs, Colebrook Park; Waterdown Forest, &c.

Rusthall Common; Piltdown Common; Scrubbs, Colebrook Park; and between Heathfield and Warbleton.

Piltdown Common; Warbleton; and in the pond between Ramslye and Broadwater Forest.



CRYPTOGAMIA .- ALOB.

Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

TETMEMORUS, Ralfs MSS. (1)

Brebissonii (Ralfs Ann. vol. 14. p. 257. t. 8. f. 1.)

granulatus (Ralfs Ann. vol. 14. p. 257. t. 8. f. 2.)

Tetmemorus.

Bogs at Fisher's Castle; Waterdown Forest; Piltdown Common; Cross in Hand, &c.

Bogs at Fisher's Castle; Scrubbs, Colebrook Park ; Waterdown Forest; Ashdown Forest, and Cross in Hand.

EUASTRUM, Ehrenb.

verrucosum (Ralfs Ann. vol. 14. p. 189. t. 6. f. 3. Cosmarium, Mgh.)

oblongum (2) (Ralfs Ann. vol. 14. p. 189. t. 6. f. 4. Eutomia, Harv. Br. Alg.)

Pelta (Ralfs Ann. vol. 14. p. 190. t. 7. f. 2. Cosmarium, Corda.)

Didelta (3) (Ralfs Ann. vol. 14. p. 190. t. 7. f. 2.)

gemmatum (Ralfs Ann. vol. 14. p. 191. t. 7. f. 4, Cosmarium, Mgh.)

spinosum (Ralfs Ann. vol.14. p. 192. t. 7. f. 7.)

binale (Ralfs Ann. vol. 14. p. 193. t. 7. f. 7. Cosmarium, Mgh.)

MICRASTERIAS, Ag.

(Ralfs Ann. vol. 14. p. 259. t. 6. f. 1. Eutomia, Harv. Euastrum Rota, Ehrenb.) Ashdowu Forest, &c.

? oscitans, Ralfs MSS.

Pediastrum, Meyen (4)

Boryanum (Ralfs Ann. vol. 14. t. 12, f. 7. Micras. Boryana, Ehrenb.lnf.t.11.f.5.) Euastrum.

Rusthall Common, and Ashdown Forest.

Bogs at Fisher's Castle; Rusthall Common; Warbleton, &c.

Bogs at Fisher's Castle, aud on Ashdown Forest.

Piltdown Common; Ashdown Forest; bogs at Fisher's Castle; Cross; in Hand; Waterdown Forest, &c.

Scrubbs, Colebrook Park, and on Ashdown Forest in the great bog . near Forest Row.

Mayfield; Rusthall Common, and Piltdown Common.

Mayfield; Piltdown Common; bog near Cross in Hand, &c.

Micrasterias.

Bogs at Fisher's Castle: Waterdown Forest; Scrubbs, Colebrook Park,

On Ashdown Forest, near Duddleswell.

Pediastrum.

Brambletye, near Forest Row; Tunbridge Wells, &c.

- (2) Euastrum Pecten. Ehrenb. Cosmarium, Menegh.
- (3) Euastrum ansatum, Ehrenb. Cosmarium, Menegh.
- (4) Micrasterias, Ehrenb.

⁽¹⁾ Closterium, Menegh.



Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

Schnedesmus, Meyen.

Scenedesmus.

quadricaudatus, Breb. Brambletye (Arthrodesmus, Ehrenb. Inf. t. 10. f. 16.)

Brambletye; bog near Cross in Hand, &c.

β ecornis
(S. Lcibeinii, Kütz. Synop.
Diatom. f. 98.)

Near Cross in Hand, &c.

Tribe 2. DIATOMACEÆ. (1)

MELOSEIRA (2)

varians, Ag. (Ralfs Ann. vol. 12, p. 350, t. 9, f. 5,)

arenaria, Moore
(Ralfs Ann. vol. 12. p. 349. t. 9. f. 4.)

and the High Rocks; H
Westerham, and at Otf
Shoreham near Sevenoaks
on Conf. glomerata in the
at Hill Park Westerham

ochracea (Ralfs Ann. vol. 12. p. 351.)

ACHNANTHES

minutissima, Kutz. (Ralfs Ann. vol. 13, p. 492, t. 14, f. 11.)

TABELLARIA, Ehrenb.

flocculosa (3)
(Ralfs Ann, vol. 11, p. 453, t. 9, f. 3,
Diatoma, Ag. Hook, & Harv,
Conf. Dillw, t. 28, upper fig.
E.B. t. 1761.)

fenestrata (Ralfs Ann. vol. 11. p. 453. t. 9. f. 4. Diatoma, Lyngb. Hook. & Harv.) Meloseira,

Waterfall, Harrison's Rocks; in a spring between Tunbridge Wells and the High Rocks; Hill Park, Westerham, and at Otford and Shoreham near Sevenoaks.

On Conf. glomerata in the Waterfall at Hill Park Westerham, and in the river Darent at Shoreham near Sevenoaks.

In the Folly behind the Sussex Hotel and elsewhere, common.

Achnanthes.

On Conf. glomerata and other Alga at the waterfall, Harrison's Rocks; waterfall at Hill Park near Westerham, and at Otford and Shoreham, and elsewhere near Sevenoaks.

Tabellaria.

Cold Bath Spring; Jack's Wood Spring; Still Green; Ashdown Forest; Piltdown Common; Bogs at Fisher's Castle; Broadwater and Waterdown Forests; Eridge Park, &c.

Lower Green, and on the Scrubbs, Colebrooke Park.

⁽¹⁾ A series of papers, by Mr. Ralfs, containing most accurate descriptions of these plants are published in the Ann. & Mag. of Nat. History, vol. 11. & seq.; and it is with much pleasure that 1 here acknowledge the kindness of that gentlemen for his assistance in the arrangement of this Tribe.

⁽²⁾ Gallionella, Ehrenb.

⁽³⁾ In Dillwyn's plate referred to under this species, I cannot speak positively of the lower figures, but I think C. must have been made from frustules of D. vulgare in a peculiar position, and D. appears to me like Cocconies Placentula. Ehrenb. Diatoma Turneri, Fl. Tonb. Supt. p. 42. I regard as an older state of this species with less colouring matter, especially in the central canal.

Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

DIATOMA (1)

vulgare, Bory. (Ralfs Ann. vol. 11. p. 450. t. 8. f. 8. D. tenuc, Berk. Hook. & Harv.)

tenue, Ag. (Ralfs Ann. vol. 11. p. 451, t. 9. f. 1. D. clongatum, Berk. Hook, and Harv.)

FRAGILARIA

virescens

(Ralfs Ann. vol. 12. p. 110. t. 2. f. 6. F. pectinalis, Ehrenb.)

rhabdosoma, Ehrenb. (Ralfs Ann. vol. 12. p. 108. t. 2. f. 4.)

peetinalis, Lyngb. (Ralfs Ann. vol. 12. p. 107. t. 2, f. 3. Conf. E.B. t. 1611.)

β var. undnlata (Ralfs Ann. vol. , 12, p. 108. t. 2. f. 3. d.)

EUNOTIA, Ehrenb.

unodon, Ehrenb. (Ralfs Ann. vol. 13. p. 459. t. 14. f. 1.)

diodon, Ehrenb. (Ralfs Ann. vol. 13. p. 460. t. 14. f. 2.)

triodon, Ehrenb. (Ralfs Ann. vol. 13. p, 461, t. 13. f. 3.)

FRUSTULIA (2)

viridis, Ehrenb. (Pritch. t. 3. f. 133 to 186.)

Diatoma.

Hamsell ; waterfall at Harrison's Rocks; Hill Park near Wester. ham, and at Otford, Shoreham and elsewhere near Sevenoaks.

Hamsell; Eridge Park; Wadhurst and at the waterfall at Harrison's Rocks.

Fragiluria.

Cold Bath Spring; Broadwater Forest; Lower Green; Rotherfield and Piltdown Common.

In a pond between Tunbridge Well Common and the Hurst Wood Still Green, and at Shoreham Kent.

In the forest pools, ditches, spring &c., very common. A remarkabl state of this ocenrs in Jack's Woo Spring-within the frustule ther is apparently another rounded c nearly elliptie frustule, havin striæ like the outer one. Thi state is given in the Ann. vol. l: t. 2. f. 3. lower a. and upper b.

Scrubbs, Colebrook Park.

Eunotia.

Piltdown Common, and on Ashdow Forest in the great bog near For est Row.

Piltdown Common.

Cold Bath Spring.

Frustulia.

Ashdown Forest; Piltdown Common; bog at Fisher's Castle, &c. Cold Bath Spring, &c.

(1) Baccillaria, Ehrenb.

⁽²⁾ The Prustulia of Kützing (Navicula of Ehrenbergh) contains several disting genera, but the plan of this list will not permit me to enter upon the subjective of the plan of this list will not permit me to enter upon the subjective of the plan of this list will not permit me to enter upon the subjective of the plan of this list will not permit me to enter upon the subjective of the plan of this list will not permit me to enter upon the subjective of the plan of this list will not permit me to enter upon the subjective of the plan of this list will not permit me to enter upon the subjective of the plan of this list will not permit me to enter upon the subjective of the plan of this list will not permit me to enter upon the subjective of the plan of this list will not permit me to enter upon the subjective of the plan of this list will not permit me to enter upon the subjective of the plan of this list will not permit me to enter upon the subjective of the plan of the plan of this list will not permit me to enter upon the subjective of the plan o Kützing's forthcoming work, will probably clear up much of the confusion which at present exists. I have added the names of a few only. Several others are four in the district, but I cannot publish them, as I am unable to satisfy myself will correct references.



Genera and Species

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

nodosa? Ehrenb. (Pritch. t. 3. f., 140.) On Ashdown Forest, in the great bog near Forest Row. This plant is striated. Ehrenbergh describes his as without striæ—they agree in other respects.

gibba, Ehrenb.

Ashdown Forest; Jack's Wood Spring, &c.

librilis? Ehrenb. (quinquepunctata, Kütz.) Warbleton, &c. This does not exaetly agree with Pritehard's fig 155.t.3. The length of the contraction of the lateral surface is not se great, and it is more gradually acuminated to the point, the wides part being about the middle from the centre of the contraction.

obtusa, Berk. (Glean. Br. Alg. t. 4. f. 2.) Bogs at Fisher's Castle and Cole brook Park.

pellucida, Ehrenb. (Pritch, t. 3. f. 140.) gracilis, Ehrenb.

Ashdown Forest, and at Shorcham Kent. In the great bog near Forest Row bogs at Fisher's Castle, &e.

Hippocampus, Ehrenb. (Pritch. t. f. 145.)

Otford and Shoreham, Kent.

sigmoidea, Ehrenb. (Pritch. t. f. 148.) Otford and Shoreham, Kent.

SURIRELLA (1) biscriata

Surirella.

bifrons

Ashdown Forest; Piltdown Com mon; Broadwater Forest, an Warbleton.

EXILARIA Grev. (2)

Warbletou.

fasciculata, Kütz. (Diatoma truncatum, Hook. Exilaria truueata, Harv.)

Exilaria.

Ulna (Frustulia, Harv.) In the stream between Tunbridg Wells and the High Rocks; May field; between Pembury and Lam berhurst, and elsewhere in stream watereourses, &e

Lunaria (Ehrenb. Inf. t. 17. f. 15.) In the watercourse by the road sid between Broomhill and Speld hurst: Cold Bath Spring; Offort and Shoreham, Kent, and else where, common.

Cold Bath Spring; in a well by th roadside at Lamberhurst Quarter and at Goudhurst.

⁽¹⁾ Navicula, Ehrenbergh.

⁽²⁾ Synedra, Ehrenbergh.



Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

MERIDION

eirculare, Ag. (Ralfs Ann. vol. 12. p. 457. t. 18. f. I)

constrictum, Ralfs (Ralfs Ann. vol. 12, p. 458, t. 18, f. 2.)

GOMPHONEMA

pohliæforme, Kütz. (Ralfs Ann. vol. 12. p. 461. t. 18. f. 4. G. truncatum, Ehrenb. & Pritch.)

minutum, Ag. (Ralfs Ann. vol. 12. p. 462. t. 18. f. 5.)

eristatum, Ralfs (Ralfs Ann. vol. 12. p. 463. t. 18. f. 6.)

Berkeleii, Grev. (1) (Ralfs Ann. vol. 12. p. 464. t. 18. f. 8.)

minutissimum, Grev. (Rall's Ann. vol. 12. p. 465. t. 18. f. 9.)

COCCONEMA, Ehrenb.

lanceolatum

Cistula

gibbum

ENCYONEMA, Kütz.

prostratum, Kütz, (2) (Die Kieselschaligen, &c. p. 82, t. 25, f. 7, E. paradoxum, Kütz. Synop. Diat.

Meridion.

Tunbridge Wells. W. Borrer, Esq. Mayfield, and at Otford and Shoreham, Kent.

Cold Bath Spring, growing on Fragilaria virescens.

Gomphonema.

Waterfall at Harrison's Rocks; in a spring between Tuubridge Wells and the High Rocks; Mayfield; between Broomden and Speldhurst; in the waterfall at Ilill Park, Westerham; and at Shoreham, Kent.

Waterfall at Harrison's Rocks; and sparingly in a spring between Tunbridge Wells Common and the High Rocks, growing with G. minutissimum.

Shoreham, Kent. First discovered, December, 1842.

Mayfield, and near the Sheffield Arms, Fletching,

Waterfall at Harrison's Rocks; between Tunbridge Wells Common and the High Rocks; Hill Park, Westerham, and at Shoreham, Kent.

Cocconema.

Waterfall at Hill Park, Westerham, and at Shoreham, Kent.

Hurstgreen; waterfall at Harrisen's Rocks, and at Hill Park, Westerham.

Waterfall at Harrison's Rocks.

Encyonema.

Brambletye, near Forest Row, and in the stream that parts Sussex and Kent, between Bodiam and Sandhurst.

⁽¹⁾ Exilaria minutissima, Berk. Br. Algæ, t. 7. f. 1.

⁽²⁾ Monema, Berk. Br. Algæ, t. 4. f. 3. Schizonema, Hook, and Harv.



Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

Tribe 3. BYSSOIDEÆ (1)

LEPTOMITUS

lacteus (Conf. Dillw. t. 79.)

BYSSOCLADIUM

fenestrale (Conf. Dillw. t. 94.)

MYCINEMA

rubiginosum (Conf. Dillw. t. 68.) phosphorea

CHROOLEPUS

aureus (Conf. Dillw. t. 35. Byssus, E. B. t. 212.) Jolithus, Harv.

ebenea (Conf. Dillw. t. 101. Byssus nigra, E. B. t. 702.)

Arnottii, Harv.

Leptomitus.

In the watercourse by the road side near Hollamby's Nursery on the Eridge Road.

Byssocladium.

On window glass, on which it forms dirty white spots.

Mycinema.

On an old tree at Harrison's Rocks, growing with Clad. delicata.

On rotten wood in Eridge Park and elsewhere, not common.

Chroolepus.

On the sand rocks and elsewhere, common.

On rocks, stones, trees, &c., common.

On the High Rocks, Eridge Rocks, Harrison's Rocks, &c.

On the roots of yew trees at Penn's Rocks. W. Borrer, Esq.

⁽¹⁾ This tribe appears to be a connecting link between the Algæ and the Fungi.

CRYPTOGAMIA .- FUNOI.

Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

Order 7. FUNGI. (1)

Suborder 1. HYMENOMYCETES.

Tribe 1. Pileati.

Scries 1. Leucosporus.

Subgenus 1. Amanita.

AGARICUS

Agarie.

phalloides Aug.—Nov. On the High Rocks, and elsewhere, (Sow. t. 286. Fl. Ton. p. 178.)

Subgenus 2. Lepiota.

procerus July—Oct. In woods and hedges. (Sow. t. 190. Fl. Ton. p. 167.)

clypeolarius Oct., Nov. (Sow. t. 14. Fl. Ton. p. 170.)

In woods near the High Rocks, and elsewhere.

Meleagris (Sow. t. 171.) May—Oct.

On warm dunghills, not common.

Subgenus 4. Limacium.

Cossus October, (Sow. t. 121, Fl. Ton. p. 171.)

On Harrison's Rocks.

Subgenus 5. Tricholoma.

sejunctus Autumn. In the woods at Bayham Abbey. (Sow. 126. Fl. Ton. p. 171.)

personatus Oct.—Jau. In woods at Bayham Abbey, and (A. violaceus, Sow. t. 209. Fl. Ton. p. 170.) elsewhere.

Subgenus 6. Russula.

emeticus July—Dec. In woods, not common. (A. integer, Sow. t. 201. Fl. Ton. p. 169.)

adustus, β elephantinus Sept., Oct. In the woods at Bayham Abbey. (Sow. t. 36. Fl. Ton. 168.)

⁽¹⁾ I have no doubt this district would afford a rich field to an enlightened student of this order; but I am so little acquainted with the plants comprising it that, excepting the epiphytes and the few instances noted otherwise, my list and labitats are copied from Forster's Flora Tonbrigensis, with the names and arrangement adopted by Berkeley in Hooker's British Flora, vol. 2. part 2.

For the convenience of reference, I have also numbered and named the *Triba* after *Mr. Berkeley*, omitting those of which no examples appear in my list.



CRYPTOGAMIA .- FUNGI.

Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, an other remarks.

Subgenus 7. Gallorpheus.

torminosus June—Oct. (Sow. t. 103, Fl. Ton. p, 175.)

On Rusthall Common, and else where.

Aug.-Oct. (Sow. t. 203. Fl. Ton. p. 169.)

In the woods at Bayham Abbey and elsewhere. In Bayham Abbey woods.

deliciosus Sept., Oct. (Sow. t. 202. Fl. Ton. p. 169.)

In the woods at Bayham Abbey

Sept., Oct. (A. lactifluus, Sow. t. 204. Fl. Ton.p.199.)

and elsewhere. In woods, not very common.

plumbens (A. Listeri, Sow. t. 245.

A. piperatus, Fl. Ton. p. 167.)

Autumn.

Subgenus 8. Clitocybe.

flaceidus (Sow. t. 185. Fl. Ton. 172.)

On the High Rocks. September.

infundibuliformis, β major Aug.—Oct. (A. pileolarius, Sow. t. 61. Fl. Ton. p.168.)

In the woods at Bayham Abbey.

giganteus September. (Sow. t. 244. Fl. Ton. p. 176.)

In woods.

Sept.—April.

In woods, not common. (A. opacus, Sow, t. 142. Fl. Ton. p. 167.)

(Sow. t. 342. Fl. Ton. p. 177.)

On old trees.

Sept.—Nov. (Sow. t. 32. Fl. Ton. p. 167.)

On heaths, not common.

psittacinus Sept.-Nov. (Sow. t. 82, Fl. Ton. p. 169.)

Very frequent on grass; on all the commons near Tunbridge Welk

July-Nov. (Sow. t. 20. Fl. Ton. p. 171.)

On the Common at Tunbridge Welli and clsewhere.

onicus Sept., Nov. I (Sow. t. 381.(right-hand fig.) Fl.Tou.p.167.)

In woods, and on heaths.

Sept., Oct. coceineus

Frequent on Tunbridge Wells Com

(Sow. t. 381, Fl. Ton. p. 173.) June-Nov.

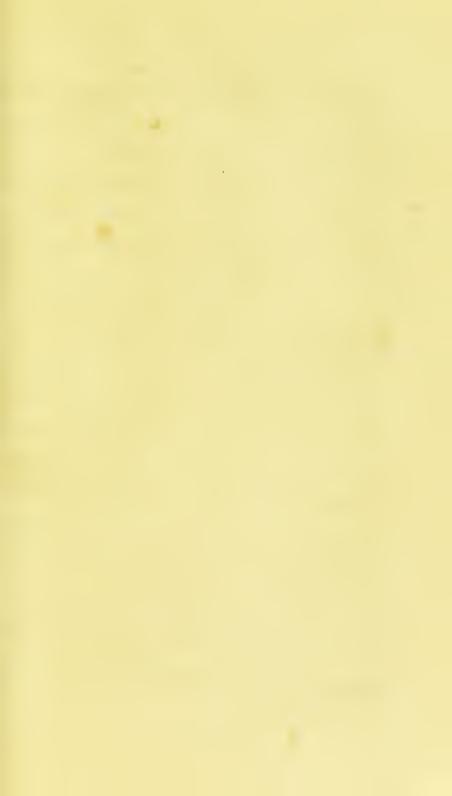
In woods at Bayham Abbey, and

(A. farinaceus, Sow. t. 208. Fl. Ton. p.170.) elsewhere. June-Nov. Harrison's Rocks. β amethystinus

(Sow. t. 187. Fl. Ton. p. 172.)

The whole year. On Tunbridge Wells Common, and in abundance in the lane from Speldhurst Church to Pounds (Sow. t. 263. & 384. f. 3. Fl. Ton. p. 174.) bridge.

usipes July, Aug. (A. crassipes. Sow. t. 129. Fl. Ton. p. 171.) On heaths, and in woods.



Genera and Nat. Order. English Name, Localities, ar Species. Time of Mat. other remarks. maculatus In woods near Langton Green, ar (A. carnosus, Sow. t. 246. Fl.Ton.p.175.) elsewhere. compressus Oct., Nov. In fir woods. (Sow. t. 66. Fl. Ton. p. 168.) dryophilus May—Oet. (A. dryophyllus, Sow. t. 127. Fl. Ton. heaths, not uncommon. p. 171.) July-Nov. In woods under beech trees. personatus (Sow. t. 37. Fl. Ton. p. 168.) May-Nov. (A. pratensis, Sow. t. 247. Fl. Ton.p.174.) mon. Sept .- Nov. porreus (A. alliaceus, Sow. t. 81. Fl. Ton. p. 169.) Subgenus 9. Collybia. tenaeellus Oct., Nov. In the woods at Bayham Abbee (A. spinipes, Sow. t, 206. Pl. Ton.p. 169.) and elsewhere. Aug., Oct. On trees. (Sow, t. 343. Fl. Ton. p. 177.) androsaceus The whole year. On oak leaves, very common. (Sow, t. 94. Fl. Ton. p. 173.) eaulieinalis Aug., Sept. In dry woods, not uncommon. (Sow. t. 163. (1) Fl. Ton. p. 172.) Aug.-Oct. fœtidus (Merulius fœtidus, Sow. t. 21. 1840. E.J. Fl. Ton. p. 178.) Sept .- Dec. epiphyllus (A. squamula, Sow. t. 93. Fl. Ton. p. 173.) Winter. (A. pilosus, Sow. t. 164.)

galerieulatus Autumn. (Sow. t. 165. Fl. Ton. p. 173.)

Sept.-Dec. polygrammus (Sow. t. 222. Fl. Ton. p. 170.)

strobilinus (A. coecincus, Sow. t. 197. Fl. Ton. p. 169.)

June-Nov. (A. roseus, Sow. t. 72. Fl. Ton. p. 168.)

Aug.-Nov. epipterygius (A. nutans, Sow. t. 92. Fl. Ton. p. 174.)

(Champignon.) In woods and

In woods and meadows, very cor

In woods, commou on oak leaves.

Not very common. Ou rotten stic in the plantations at Eridge, Oc

On dead ivy leaves, not uncommo

Ou holly leaves in the hedges by the road side, at Maresfield, Noven ber, 1844. E. J.

On willow trees, very common.

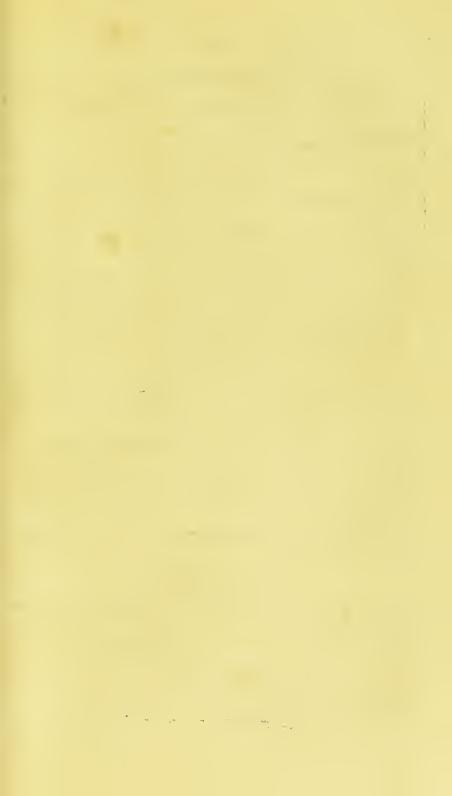
Woods, especially on hazel stump

On Harrison's Rocks.

In Bayliam Abbey Woods.

On the stalks of the common Fer or Brakes, (Pteris aquilina,) n uneommou.

⁽I) Berkely does not refer to Sowerby's plate, but refers to Bull. t. 522. f. 1 which Sowerby also quotes.



Genera and Species

Fl. Ton. p. 177.)

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

horizontalis (Sow. t. 341. Fl. Ton. p. 176.)

October.

On old trees.

Subgenus 11. Omphalia.

stellatus (A. buccinalis, Sow. t. 107.

Feb.—Oct.

In damp places among grass, not commou.

pyxidatus

November. (A. turfosus, Sow. t. 110. Fl. Ton. p. 170.)

On Tunbridge Wells Common, and elsewhere.

Autumn. (Sow. t. 322, Fl. Ton. p. 176.)

On old walls, not uncommon.

Aug. - Oct. (Sow. t. 10. Fl. Ton. p. 170.)

In woods at the High Rocks, and elsewhere, not uncommon.

cvathiformis Oct.—Jan. (A. sordidus, Sow. t. 363. Fl. Ton. p. 171.) In the wood on the left hand of. Langton Green, and elsewhere. In woods, not uncommon.

May, June. lepideus (\$\beta\$ only) (A. tubæformis, Sow. t. 382. Fl. Ton. p. 177.)

Subgenus 12. Pleuropus.

ostreatus (Sow. t. 241. Fl. Ton. p. 174.)

Aut.—Spr.

On decayed trees; on birch trees in Somerhill Park, near the house, and elsewhere.

vulpinus

(Sow. t. 361. Fl. Ton. p. 177.)

Sept.—Dec.

On the roots of old clm trees.

ulmarius palmatus

(Sow. t. 67. Fl. Ton. p. 168.) Oct., Nov.

On dead wood, not uncommon.

(Sow. t. 62. Fl. Ton. p. 168.) Oct.—April. (A. flabelliformis, Sow. t. 109.

On the stumps of old trees, not un-

Fl. Ton. p. 175.) tremulus

common.

On trees.

Aug.—Dec. (Sow. t. 242. Fl. Ton. p. 176.)

In the woods near Langton Green.

Series 3. Cortinaria.

Subgenus 17. Telamonia.

Sept .- Nov. gentilis (A. hinnuleus, Sow. t. 173. Fl. Ton. p. 173.)

In the woods at Bayham Abbey among the fir trees.

bulbosus

(Sow. t. 130. Fl. Ton. p. 178.)

In Bayliam Woods.

Subgenus 18. Inoloma.

Autumn. glaucopus (Sow. t. 223. Fl. Ton. p. 170.)

In woods.

Genera and Species.

Nat. Order. Nat. Order. Time of Mat. English Name, Localities, and other remarks.

Subgenus 19. Dermocybe.

cinnamomeus (Sow. t. 205. Fl. Ton. 169.)

Autumn.

In the woods at Bayham Abbey, and elsewhere.

Series 4. Derminus.

Subgenus 20. Pholiota.

squarrosus Aug.—Dec. (A. floccosus, Sow.t.284. Fl. Ton. p.175.) On trees. Knole Park. Miss Dilwyns.

Subgenus 22. Hebeloma.

fastibilis

July-Oct.

In woods, not uncommon,

(A. graveolens, Sow. t. 281. Fl. Ton. p. 176.)

Subgenus 23. Flammula.

sapineus

B hybridus Sept., Oct. (A. hybridus, Sow. t. 221. Fl. Ton. p. 170.)

In woods. (A. flavidus, Sow. t. 336. Fl. Ton. p. 171. is also, according to Fries in his Ind. Alph. a variety of this species. Berk.)

Subgenus 24. Inocybe.

pyriodorus

Sept., Oct. (A. pallidus, Sow.t.365, Fl.Ton.p.172.) In woods near Langton Green.

(Sow. t. 323. Fl. Ton. p. 176.)

June-Sept.

On heaths, not uncommon. In woods, not uncommon.

geophyllus (Sow. t. 124. Fl. Ton. p. 171.)

July-Nov.

Subgenus 25. Naucoria.

The whole year. On decayed wood, not uncommon. furfuraceus (A. xylophyllus, Sow. t. 167. Fl. Ton. p. 173.)

> Subgeuus 26. Galera.

tener (Sow. t. 33. Fl. Ton. p. 168.)

May-Nov.

In meadows.

hypnorum

July-Nov.

Among moss, not uncommon.

(A. Acicula, Sow. t. 282, Fl. Ton.p. 177.)

Tapinia. Subgenus 27.

July-Nov. involutus (A. contiguns, Sow.t.56, Fl.Ton.p. 168. In woods on the High Rocks, and elsewhere.



Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

Subgenus 28. Crepidotus.

mollis (Sow. t. 98. Fl. Ton. p. 175.)

July-Oct.

On the roots of trees.

variabilis

(A. niveus, Sow. t. 97. Fl. Ton. p. 174.)

On dead trees at Jordan House, and elsewhere.

Series 5. Pratella.

Subgenus 30. Psaliota.

Georgii

Spr. & Aut. (Sow. t. 304. Fl. Ton. p. 167.)

On Tunbridge Wells Common.

campestris (Sow. t. 305. Fl. Ton, 167.)

May-Oct.

Pastures, dunghills, &c. This is the Common Mushroom, "the most generally used of all Agarics, and the safest."

semiglobatus May-Nov. (Sow. t. 248. (in part) Fl. Ton. p. 176. and A. virosus, Sow.t.407.f.7,8,11—14.)

In meadows, especially on horse dung. (Iu woods. Forster.)

Aug.-Nov. (Sow. 264. Fl. Ton. p. 175.)

In woods; near Langton Green, and elsewhere.

Subgenus 31. Hypholoma.

fasicularis (Sow. t. 285. Fl. Ton. p. 166.)

April-Nov.

On dead stumps of trees; on the High Rocks; on Rusthall Common, and elsewhere.

Subgenus 33. Psathyra.

Candollianus (1) andollianus (1) Sept., Oct. (A. appendiculatus, Fl. Ton. p. 173.)

Autumn.

In woods, not uncommon.

In woods.

gracilis (A. Tentaculum, Sow. t. 385. Fl. Ton. p. 177.)

Subgenns 34. Corprinarius.

semiovatus

(Sow. t. 131, Fl. Ton. p. 172.)

In moist meadows on dung, not uncommon.

disseminatus Spr. & Aut. (A. striatus, Sow.t. 166. Fl. Ton.p. 173.)

On willow trees, not uncommon.

Subgenus 35. Coprinus.

comatus (2) April—Oct. (A. cylindricus, Fl. Ton. p. 172.)

In gardens, not uncommon.

⁽¹⁾ Forster refers to Sow. t. 324. Berkeley states that A. appendiculatus of Sow. With. & Purt. belongs either to this or A. stipatus, Pers.

⁽²⁾ Forster refers to Sow. t. 189. Berkeley does not quote Sowerby.



Genera and Species

Nat. Order. Time of Mat. English Name, Localities, an other remarks.

atramentarius Spr —Aut. (A. fimetarius, Sow.t.188. Fl.Ton.p.172.)

On dunghills, very common.

micacens May—Nov. (A. congregatus, Sow. t. 261. Fl. Ton. p. 174.(On stumps of trees and old gar posts, very common.

acetabulosus (1) (Sow. t. 303. Fl. Ton. p. 175.)

In woods, not uncommon.

niveus Aug.—Dec. (A. stercorarius, Sow. t. 262. (small figure) Fl. Ton. p. 174.) On dunghills, common.

plicatilis Spr. & Aut. (Sow. t. 364. Fl. Ton. p. 171.)

In the woods at Langton Green, at elsewhere. Forster. On Asl down Forest, near Crowborou-Warren, among grass, Nov. 1844

Subgenus 36. Gomphus.

glutinosus (Sow. t. 7. Fl. Ton. p. 170.)

On the High Rocks, and elsewher not uncommon.

rutilus (Sow. t. 105. Fl. Ton. p. 175.) In the woods at Bayham Abbey.

Doubtful Species.

monstrosus (2)

(Sow. t. 283. Fl. Ton. p. 176.)

fuscipes (Sow, t. 344. Fl. Ton, p. 177.) In the wood on the Island at fi Rev. S. Bale's, Withyham. On dead trees in damp woods.

planus (Sow, t. 362, Fl. Ton. p. 177.) In woods, uot uncommon.

CANTHARELLUS

cibarius (Agarieus, Sow. t. 46. Fl. Ton. p. 166.)

Sum. & Aut. On Rusthall Common, and else where, frequent.

lobatus (Helvella mem On moss, not uncommon.

(Helvella membranacea, Sow. t. 348, Fl. Ton. p. 182.)

Merulius.

MERULIUS

corium Winter. (Auricularia papyrina, Sow. t. 349. Fl. Ton. p. 183.) On decayed oak leaves, not uncon nuon.

lachrymans (3) The whole year. (Dry Rot.) On old timber i (Boletus, Sow. t. 113. Fl. Ton. p. 181.) houses and cellars.

⁽¹⁾ Berkeley observes, that Sowerby's plant is perhaps a form of A. micaceu "if the strongly marked spicules do not indicate a distinct species."

⁽²⁾ I find no notice of this, nor the two following plants by Berkeley.

⁽³⁾ Also (according to Berke.) B. arboreus, Sow. t. 346, Fl. Ton. p. 181.



Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

DEDALIA

quercina Perennial. (Agaricus, Sow. t. 181. Fl. Ton. p. 172.)

betulina Perennial. (Agaricus, Sow. t. 182, Fl. Ton., p. 172.) unicolor Auf. Scenty

(Boletus, Sow. t. 325. Fl. Ton. p. 180.) Aut. & early Spring.

gibbosa September. (Boletus sinuosus, Sow. t. 194. Fl. Ton.p. 179.)

Polyporus (1)

squamosus Summer. (Sow. t. 266. Fl. Ton. p. 180.)

heteroclitus (Sow. t. 367. Fl. Ton. p. 181.)

lucidus Summer. (Sow. t. 134. Fl. Ton. p. 179.)

sulphureus Summer. (Sow. t. 135. Fl. Ton. p. 181.)

hispidus Summer. (Boletus velutinus, Sow. t. 345. Fl. Ton. p. 180.)

betulinus Sum. & Aut. (Sow. t. 212. Fl. Ton. 180.)

versicolor

(Sow. t. 229. Fl. Ton. p. 179.)

ulmarius

(Sow. t. 88. Fl. Ton, p. 181.)

cytisinus? (Boletus suberosus, Sow. t. 228. Fl. Ton. p. 180.)

radiatus (Sow. t. 196. Fl. Ton. p. 178.)

fomentarius (Sow. t. 133. Fl. Ton. p. 179.)

igniarius (Sow. t. 132. Fl. Tou. p. 179.)

conchatus (Boletus impuber, Sow. t. 195, Fl. Ton. p. 179. Dædalia.

On oak trees, uot uncommon.

On birch trees.

On trunks of trees, not uncommon.

On poplar trees, not uncommon.

Polyporus.

On trees, not uncommon; remarkably fine in Somerhill Park, and near Tonbridge Town.

On stumps of trees, not unfrequent.

In the woods, not common.

On dead trees.

On apple and other trees, not uncommon.

On the old fine birch trees in Buckhurst Park, and at Somerhill.

On old wood, very commou.

On old dead elm trees, common.

On trees, not uncommon. It is possible that Forster's plant may be different from Berkeley's, although they both refer to the same figure.

In Buckhurst Park, among the trees at Withylam, & elsewhere.

(Real Amadou.) On trees, not un-

On trees, generally on willows, not uncommon.

On the Great Rocks, and in the way to Harrison's Rocks.

Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

Boletus

luteus (Sow. t. 265, Fl. Ton. p. 180.)

piperatus Autumn.

subtomentosus β Sum. & Aut. (B. communis, Sow. t. 225. Fl. Ton. p. 179.)

luridus Sum. & Aut. (B. rubeolarius, Sow. t. 250. Fl. Ton. p. 180.)

edulis Sum. & Aut. (Sow. t. III, Fl. Ton. p. 178.)

scaber (I) Sum. & Aut. (Sow. t. 175.)

FISTULINA

hepatica Aug.—Oct. (Boletus hepaticus, Sow. t. 58. Fl. Ton. p. 178.)

Hydnum

imbricatum October. (Sow. t. 73.)

repandum (Sow. t. 176. Fl. Ton. p. 181.)

PHLEBIA

mesenterica (Auricularia corrugata, Sow. t. 290. Fl. Ton. p. 183.)

THELEPHORA (2)

laciniata Perennial.
(A. caryophyllea, Sow. t. 213.
Fl. Ton. n. 182.)

Fl. Ton. p. 182.)
rubiginosa Percnnial.

tabacina Perennial. (Sow. t. 25. Fl. Ton. p. 182.)

Boletus.

In the woods at Bayham Abbey, and clsewhere.

In woods.

In woods, common in Bayham Ab-bey Wood.

In woods at Bayham Abbey, and at Langton Green.

In the woods at Bayham Abbey.

In the woods at Bayham Abbey; on Harrison's Rocks, and the High Rocks, not unfrequent.

Fistulina.

On oak trees near the Wells.

Hydnum.

Near Maidstone. Woodward. Rare.

In woods near Woodsgate. Joseph Woods, Esq.

Phlebia.

On dead trees, very common.

Thelephora.

On the roots of old trees on the High Rocks, and elsewhere.

abiginosa Percnnial. On old wood, not uncommon. (A. ferruginea, Sow. t. 26. Fl. Ton. p. 182.)

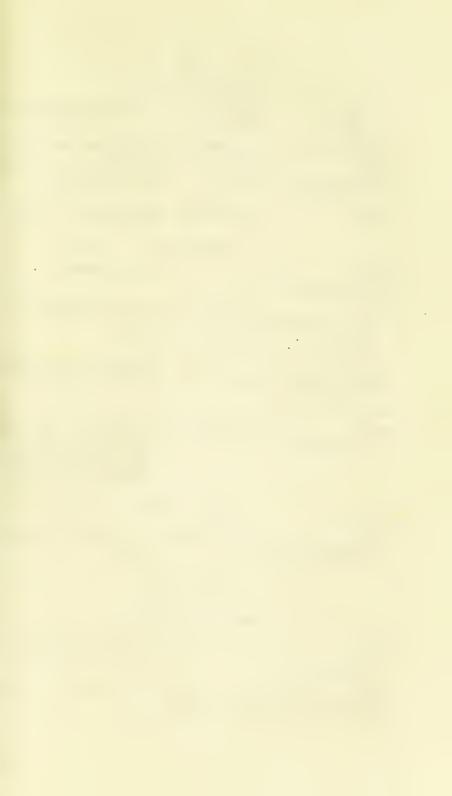
On hazel, not very common.

(2) Auricularia, Sowerby and Forster.

⁽¹⁾ I suppose this to be the species called B. bovinus, Fl. Ton. p. 179.—B. aurantiacus, Sow. t. 110. Fl. Ton. 170. is also referred by Berkeley to B. scaber.

The two following recorded by Forster, I do not find noticed by Berkeley, Boletus hybridus, (Sow. t. 289. Fl. Ton. p. 180.) On decaying trees.

variegatus, (Sow. t. 368. Fl. Ton. p.181.) On stumps of trees.



Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

hirsuta

Perennial. (A. reflexa, Sow. t. 27. Fl. Ton. p. 182.)

On decaying trees, pales, &c., very common.

Perennial. purpurea (A. persistens, Sow. t. 388. f. 1. Fl. Ton. p, 183.)

On old wood, common; in the yard behind Jordan House.

quercina

The whole year. On fallen branches of oak, at the High Rocks.

Tribe 2. Clavati.

CLAVARIA.

Clavaria.

stricta (C. museoides, Sow. t. 157. Fl. Ton. p. 185.)

In woods and heaths.

Aug.-Nov. (C. coralloides, Sow. t. 278, lower figures. Fl. Ton. p. 185.)

On heaths, woods, and pastures; on Harrison's Rocks.

γ grisea (Berk. Brit. Fung. Fasc. 3. B. 150.) Mayfield.

vermiculata, Sow. t. 253. Fl. Ton. p. 185.)

Among the grass on TuubridgeWells Commou, and elsewhere.

MITRULA

MORCHELLA

Sum. & Aut. paludosa (Clavaria cpiphylla, Sow. t. 293. Fl. Ton. p. 184.)

Mitrula.

On floating grass, in the stream of water in the way to Groombridge; on Waterdown Forest where the Aspidium Thelypteris is in such plenty. Forster. Not unfrequent amongst dead leaves and moss, in damp and watery places.

Tribe'3. Mitrata.

Morell.

esculenta (Helvella, Sow. t. 51, right and left hand fig.)

Near Maidstone, in a lauc between Sandling and Penenden Spr. & early Sum. Heath.

Tribe 4. Cupulati.

Series 1. Aleuria.

Subgenus 1. Megalopyxis.

PEZIZA

Peziza. Aut. & Early Win. About the stumps of felled oaks.

aurantia [On banks. Forster.] (P. coccinea, Sow. t. 78. Fl. Ton. p. 183.)

Thelephora carulea, Berk. A. phosphorea, Sow. t. 350. Fl. Ton. p. 183., is Mycinema phosphorea of this list of plants.



CRYPTOGAMIA,-FUNOI.

Genera and Species.

Nat. Order.
Time of Mat.

Sum. & Aut.

English Name, Localities, an other remarks.

cochleata (Sow. t. 5. Fl. Ton. p. 183.)

On the bank near the Inn at th High Rocks, not uncommon Forster.

Subgenus 2. Geopyxis.

granulata (Bull. t. 438. f. 3.)

Sum. & Aut. On cow dung, very common.

Subgenus 3. Humaria.

humosa

On dead wood. Forster.

(P. cartilaginea, Sow. t. 369, f. 2. Fl. Ton. 183.)

Series 2. Lachnea.

Subgenus 5. Sarcoscypha.

cocciuea Spring. (P. epidendra, Sow. t. 13.)

In hedges on sticks, frequent.

scutellata (Sow. t. 24. Fl. Ton. p. 184.)

On rotten wood, uot uncommon.

Subgenus 6 Dasyscypha.

virginea

(P. nivca, Sow. t, 65. Fl. Ton. p. 184.)

bicolor

(Sow, t. 17. Fl. Ton. p. 184.)

papillaris

(Sow, t. 177. Fl. Ton. p. 184.)

On sticks, &c. E. J. Ou rotter stumps of trees. Forster.

On dead trees. Forster. On a smal stick at Eridge, 1839. E. J.

On rotten wood, uot uncommon Forster.

Series 3. Phialea.

Subgenus 10. Calycina.

æruginosa

(Helvella, Sow. t. 347. Fl. Ton. p. 182.)

lenticularis (P. aurca, Sow. 150, Fl. Ton. p. 184.)

At utanta

Ascobolus

furfuraceus (P. stercoraria, Sow. t. 18, 389, f. 3 — 6, Fl. Ton. p. 183.) On old trees; on the timber in the yard at Jordan House, Tonbridge Wells. Forster.

On stumps of oak trees, not uncommon. Forster.

Ascobolus.

On cow dung, common.



Genera and Species

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

CENANGIUM

auercinum (Sph. collapsa, Sow. t. 373. f. 3.)

Ccnangium. On decaying branches of oak, while

Stietis.

STICTIS

radiata Aut. Spr. (Pez. marginata, Sow. t. 16.)

On wood, twigs, &c. not unfrequent

still attached to the tree, common

Tribe 5. Tremellina.

TREMELLA

All the year.

Tremella.

Exidia.

mesenterica (Eng. Bot. t. 709.)

(Eng. Bot. t. 2452.)

On branches, sticks, &c., frequent.

EXIDIA

Auricula Judæ. (Peziza. Eng. Bot. t. 2447. Fl. Ton. p. 165.) September.

(Jew's Ear.) On rotten wood, no uncommon.

glandulosa

Aut. Win.

(Witeh's Butter.) On trunks and branches of trees, frequent.

Sclerotium.

On dead stalks of unbelliferous plant

Tribe 6. Selerotiaeei.

SCLEROTIUM

complanatum (Clavaria polymorpha, Sow. t. 276. Fl. Ton. p. 185.)

On rotten leaves, not uncommon Forster.

common.

durum (Sph. solida, Sow. t. 314. Fl. Ton. p. 189.)

populneum salicinum

Aut. Win.

SPERMŒDIA

Clavus (Sow. t. 396. f. 6.) On poplar trees, frequent.

On willows leaves, common.

Ergot.

Produced within the seeds of various grasses, as Lolium percnne, Fes. tuca, &c.

Suborder 2. Gasteromyectes.

Tribe 1. Angiogastres.

* Phalloideæ.

PHALLUS

impudicus (Fl. Ton. p. 181. P. fætidus, Sow. t. 329.) Stinkhorn.

In the hedge in the bridle way to Bayham Abbey from the Wells, and at Langton Green. Forster. Abundant in Hill Park, near Westerham in 1844. Mr. R. Scoll.

Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

* * Tuberaceæ.

RHIZOPOGON

Rhizopogon.

albus (Tuber, Sow. t. 310. Fl. Ton. p. 186.) Once found by the side of a lane of the left hand of the road from Mount Sion to Woodsgate, abou six inches under ground. Forster

* * * Nidulariacei.

NIDULARIA

Bird's Nest Peziza.

campauulata

On nearly exhausted dung; sticks in flower pots in conservatories &c., not uncommon.

* * * * * Corpoboli.

PILOBOLUS

Pilobolus.

crystallinus (Mucor urceolatus, Sow. t. 300. Fl. Ton. p. 187.) On horse dung, early in the morning, common.

Tribe 2. Pyrenomycetes
+ Periphericæ.

SPHÆRIA (1)

Cordyceps.

Spi æria.

polymorpha On stumps of trees, common. (S. digitata, Sow. t. 69. Fl. Ton. p. 184.)

Hypoxylon (Sow, t. 55. Clavaria, Fl. Ton. p. 184.)

On old wood, bottom of post stumps, &c., very common.

Pulvinatæ.

concentrica (S. fraxinea, Sow. t. 160.)

On trunks of dead or decaying as trees, common.

On rotten wood. Forster. On beec

fragiformis (Fl. Ton. p. 188. Lyc. variolosum, Sow. t. 271. Fl. Ton. p. 186.)

bark at Mayfield. E. J.

fusca

On dead branches of hazel, frequent

* ' Hypophericæ. Glebosæ.

deusta Spr. & Aut. On wood and decayed leaves (S. maxima, Sow. t. 338. Fl. Ton. p. 189.) Forster.

Nummularia (S. depressa, Sow. t. 216. Peziza, Fl. Ton. p. 184.) On rotten wood, Forster.

⁽¹⁾ I have omitted the Time of Maturity to most of the species in this, and i several of the allied genera, as the period of their perfection is very uncertain. The most productive season for this botany is the Autumn, Winter, and carly Spring.



Genera and Species

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

Lignosæ.

Stigma

(S. decorticans, Sow. t. 137 Fl. Ton. p. 188.)

disciformis

aspera verrucæformis (S. parallela, Sow. t. 394. f. 4.) On sticks, common.

common. On branches of oak, frequent.

On branches of hazel, beech, &c., not uncommon.

On dry branches of beech, &c.,

Versatiles.

Strumella

On dry currant branches, frequent.

Concrescentes.

decipiens

On decayed wood. Forster.

(S. floriformis, Sow. t. 297. Fl. Ton. p. 189.)

* * * Amphiphericæ.

Circumscriptæ.

Prunastri

On branches of blackthorn, frequent

Obvallatæ.

salicina

On willow twigs, common.

* * * Epiphericæ.

Cæspitosæ.

cinnabarina (Sow. t. 256.) Win. Spr.

On the dying trunk of a beech tree at Mayfield; on dead or dying trunks or branches of trees.

coccinea (S. Mori, Sow. t. 255, Fl. Ton. p. 188.) On decaying branches of various trees, not unfrequent.

Seriatæ.

Junci

On the stems of rushes, frequent.

arundinacca (Sow. t, 336. Fl. Ton. p. 189.) On recds. Forster.

Confertæ.

Trifolii

On the leaf of Trifolium repens and other species of clover, not common.

ccuthocarpa

On poplar trees at Speldhurst.



Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

* * * * Superficialcs. Denudatæ.

sanguinea (Sow. t. 254. Fl. Ton. p. 189.)

On decaying sticks, very common.

moriformis (S. claviformis, Sow. 337. Fl. Ton. p. 189.)

On decayed wood, principally on the Alder, Forster.

* * * * * Subinnatæ.

Subtectæ.

Taxi

(Sow. t. 394. f. 6.)

On leaves of the yew, frequent,

Dicis

On holly leaves between Piltdown and Uckfield.

Caulicola.

acuta

(Sow. t. 119 & t. 394. f. 3.)

Doliolum

herbarum

On stems of the common nettle, frequent.

On the dead stems of herbaceous plants.

On stems of herbaceous plants, frequent.

Foliicolæ.

Hederæ

(Sow. t. 371, f. 5)

punctiformis

EUSTEGIA

Ilicis (Sph. concava, Sow. t. 307. Fl. Ton. p. 188.)

CEUTHOSPORA

phacidioides (Sph. bifrons, Sow. t. 326. Fl. Ton. p. 188.)

Lauri (Sphæria, Sow. t. 3.1. f.)

Рнома

salignuni (Sph. salicina, Sow. t. 372.) On decayed ivy leaves at Mayfield.

On fallen leaves, common.

Eustegia.

On holly leaves, very common.

Ceuthospora.

On holly leaves, common.

On dead laurel leaves at Broomhill.

Phoma.

On willow leaves at Mayfield.

The two following species recorded by Forster, I do not find noticed by Berkeley. Sphæria communis, (Sow. t. 295, Fl. Ton. p. 189.) On decayed wood. subcorticalis, (Sow.t.296, Fl.Ton.p.189.) Upon the first bark of dead trees, common.



Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

DOTHIDEA

ribesia

typhina (Sph. spiculifera, Sow. t. 274.

Fl. Ton. p. 189.) rubra

Sum. & Aut.

On leaves of the blackthorn, not uncommon.

Dothidea.

On the stalks of grass, common.

On dry branches of the red currant,

Ulmi

RHYTISMA

salicinum Acerinum

Рилсириим Lauro Ccrasi

HYSTERIUM

Win. & Spr. Fraxini (Sph. sulcata, Sow. t. 315.)

rugosum

LEPTOSTROMA

filicinum (Sow. t. 394, f, 10.) Autumn.

On leaves of the elm, common.

Rhytisma.

On leaves of willow, common.

On leaves of the common sycamore and maple, very common.

Phacidium.

On fallen leaves of the common laurel at Broomhill.

Hysterium.

On fallen branches of the ash, com-

On the living bark of oak, beech, &c., very common.

Leptostroma. On dead stems of the common

brake, frequent.

Win. & Spr.

Tribe 3. Trichospermi. * Trichogastres.

GEASTER

rufcscens (Sow. t. 80. Fl. Ton. p. 185.)

BOVISTA

nigrescens (Lycoperdon Bovista, Sow. t.321. Fl. Ton. p. 185.)

LYCOPERDON

gemmatum (L. Proteus, Sow. t. 332. Fl. Ton. p. 186.)

TULOSTOMA

mammosum (Lyc. pedunculatum, Sow. t. 406. I'l. Ton. p. 186.) Starry Puff Ball.

On banks amongst grass, at the Rev. S. Bales, Withyham. Forster.

Puff Ball.

On heath and dry pastures, very common.

Puff Ball.

On the commons, &c., plentifully.

Tulostoma.

On old Walls, not uncommon. Forster.

I do not find *Lycoperdon cervinum*, Sow. t. 269. Fl. Ton. p. 186. noticed by Berkeley. It is inscribed by *Forster* as growing on Tunbridge Wells Common.

Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

SCLERODERMA

vulgare

(Lyc. aurantiacum, Sow. t. 268. Fl. Ton. p. 186.)

verrucosum

(Lyc. defossum, Sow. t. 311. Fl. Ton. p. 186.)

RETICULARIA

atra

(Lyc. fuliginosum, Sow. t. 257. Fl. Ton. p. 186.)

umbrina

(R. Lycoperdon, Sow. t. 272. Fl. Ton. p. 189.)

ÆTHALIUM

septicum (Ret. hortensis, Sow. t. 399. f. 1.)

SPUMARIA

alba

(Reticularia, Sow. t. 280. Fl. Ton. p. 190.)

STEMONITIS

ovata

(Triehia alba, Sow. t. 259. Fl. Ton. p. 188.)

Scleroderma. On the ground on Tunbridge Well Common, and elsewhere.

On Tunbridge Wells Common, and elsewhere. Forster.

Reticularia.

On Tunbridge Wells Common Forster.

On decaying wood, stumps, rai &c., not uncommon.

Æthalium.

On mosses at Eridge, and elsewher in woods, not unfrequent. Berke ley observes, that this plant i common on tan in hothouses, and "very injurious from the rapidit of its growth, and its abundar sporidia, which smothers th plants."

Spumaria.

On stems of grasses, &c , not un common.

Stemonitis.

On rotten wood. Forster.

Tribe 4. Trichodermacca.

ASTEROPHORA

Lycoperdoides (Agaricus, Sow. t. 383, Fl. Ton. p. 177.)

Asterophora. In the wood in the grounds of th Rev. S. Bale, Withyham.

Tribe 5. Perisporiaceæ.

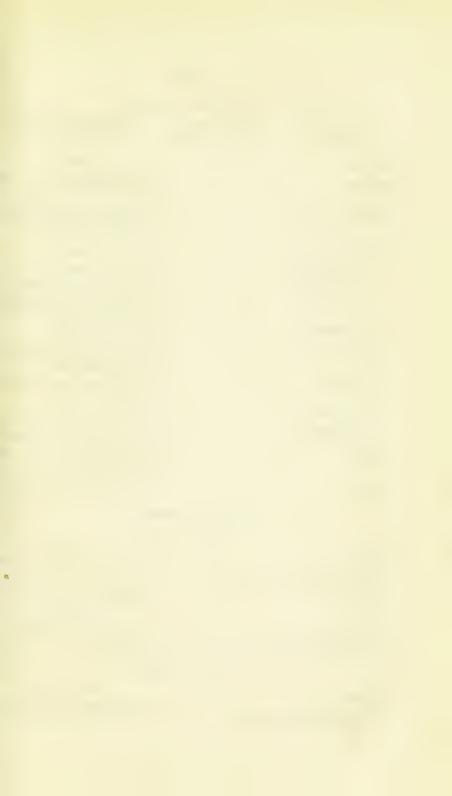
RACODIUM

Mouse Skin Byssus.

(Fibrillaria vinaria, Sow. t. 432 & 387.f. 3. Byssus septica, Fl. Ton. p. 177.)

In the cellar at No. 2, Devonshir Place, Tunbridge Wells. Mr. # W. Reeves. 1t is not unfrequen in close cellars, often hangin down a foot or more from the root

I do not find Reticularia hemisphærica, Sow. t. 12. noticed by Berkeley. Iti inserted by Forster, Fl. Ton. p. 190. as growing on leaves, common.



Genera and Species

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

ERYSIPHE

pannosa

macularis (E. Humuli Link.)

communis

α Leguminosarumβ Umbelliferarum

γ Polygonearum

δ Hypericearum

Labiatarum

ζ Cichoracearum

tortilis

penicillata

β'.Grossulariæ γ Berberides

bicornis adunca

guttata

Mildew.

On the leaves, &c. of various species of rose, frequent.

(Hop Mildew.) On the leaves, &c. of, 'hops, sometimes abundaut, and extremely injurious.

On various Leguminosæ.

On various Umbelliferæ.

On various species of Polygonum.

On Hypericineæ, particularly H. Androsæmum and H. perforatum.

On various Labiatæ.

On various Compositæ.

On the under side of living leaves of Cornus sanguinea.

On the living leaves of Alnus glutinosa.

On the gooseberry tree.

On the barberry at Ticehurst.

On leaves of the common maple.

On the leaves of willows and poplars, common.

On the leaves of the hazel, frequent.

Suborder 3. Hyphomycetes.

Tribe 2. Mucorini.

Mucor

Mucedo (Sow. t. 378, f. 6. Fl. Ton. p. 187.)

(Farinaria sulphurea, Sow. t. 379. f. 3.)

caninus

Eurotium

Mould.

On fruit, paste, &c., very common.

On the dung of dogs and cats in wet weather, common.

Eurotium.

On damp plants in Herbaria, preserves, &c.

Tribe 3. Dermatici.

POLYTHRINGIUM

herbariorum

Trifolii (Farinaria, Sow. t. 396. f. 7.) Polythrincium.

On the leaves of Trifolium pratense, T. medium, and T. repens. E.J.



Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

Tribe 4. Mucedines.

ASPERGILLUS

glaucus (Mucor, Sow. t. 378. f. 9. Fl. Ton. p. 187.)

Aspergillus. On various decaying substances, as lard, bread, cheese, &c., common.

BOTRYTIS

parasitica (Mucor Botrytis, Sow. t. 359. Fl. Ton. p. 187.)

Botrytis.

On the stems of Capsella Bursa Pastoris, &c.

Suborder 4. Coniomycetes.

Tribe 1. Tubercularini

TUBERCULARIA

vulgaris (Clavaria coccinea, Sow. t. 294.)

FUSARIUM

tremclloides

Tubercularia.

On decayed sticks and branches, common.

Fusarium.

On decaying nettle stcms, very common.

Tribe 2. Stilbosporei.

SEPTORIA

Ulmi STILBOSPORA Septoria.

On elm leaves, common. Stilbospora.

On the trunks of walnut trees.

Tribe 3. Sporidesmiei.

AREGMA (1)

magna

Autumn. bulbosum (Puccinia Rubi, Sow. t. 400. f. 9.)

Autumn.

gracile

Aregma. On the under side of various species of bramble.

On the under side of raspberry leaves.

mucronatum

Autumn.

On the leaves of various roses.

Tribe 4. Hypodermii.

GYMNOSPORANGIUM

Juniperi

Gymnosporangium.

On living twigs of Juniperus communis.

⁽¹⁾ Phragmidium, Link.



Genera and Property of Transfer of Transfe	Nat. Order. ime of Mat.	English Name, Localities, and other remarks.
Puccinia		Puceinia.
Graminis (Uredo Frumenti, Sow. t. Fl. Ton. p. 190.)	Sum. Aut. 140.	On the leaves and culms of corn and grasses.
Polygonorum		On various Polygona.
Glechomatis		On ground ivy.
Menthæ		On the leaves of various species of Mentha.
Betonicæ		On leaves of Betonica officinalis.
tumida	Spring.	On Bunium flexuosum, in the Hurst-Wood, &c.
Umbelliferarum	Spriug.	On various Umbelliferous plants, common.
Ancmones	Spring.	On Anemone nemorosa, frequent.
Saxifragarum	Spring.	On Adoxa mosehatellina, at Eridge.
pulverulenta	Spring,	On Epilobium hirsutum, at Penshurst.
Circææ	Spring.	On Circæa Lutetiana.
Prunorum	Summer.	On leaves of plum trees, frequent.
Ulmariæ	Autumn.	On Spiræa Ulmaria, at Penshurst.
Buxi	All the year.	On box, frequent.
ÆCIDIUM		Æcidium.
Allii	Spriug.	On Allium ursinum.
Ari	Spring.	On Arum maculatum.
rubellum		On leaves of various Rumices, frequent.
Primulæ	Spring.	On leaves of the primrose.
compositarum (Tussilaginis, Pers. Sow.	Sum., Aut. t. 397. f. l.)	On leaves of the colt's foot.
Ranunculacearum (Æ. Ranunculi, Sow. 397.	Spring. f. 2.)	On the leaves of various Ranunculæ, particularly R. Fiearia.
leucospermum	Spring.	On the wood Anemone.
Berberidis	Spring.	On the barberry, at Ticehurst.
Violæ	Spring.	On the leaves and petioles of violets. A very pretty species.
albescens	Spring.	On Adoxa moschatellina.
Grossulariæ	Spring.	Ou the leaves and fruit of goose- berries.
		and led

^{**}Ecidium fuseum, Sow. t. 53, I do not find noticed by **Berkeley.** It is recorded by **Forster*, Fl. Ton. p. 187, as growing on the leaves of the Wood Anemone.

CRYPTOGAMIA .- Fungi.

Genera and Species

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

cornutum

(Sow. t. 319. Fl, Ton. p. 187.)

laccratum

(Fl. Ton. p. 188.)

UREDO

segetum'

Summer.

(Smut.)

Caries

Summer.

(Bunt.) On wheat, within the ger-

longissima Summer. (Sow. t. 139. Fl. Ton. p. 190.)

linearis

Sum. Aut.

Rubigo Scillarum Summer.

Spring.

Polygonorum

Primula

Rhinanthacearum

Sum. Aut.

Labiatarum

(Æe. Menthæ, Sow. t. 398. f. 3.)

Campanulæ

compransor

Sum. Aut. suavcolens (Æe. Cardui, Sow. t. 398, f. 5.)

Senccionis

Petrosclini

Spring.

Umbellatarum

Spring.

Heraclei

Ranunculacearum

Hypericorum

Violarum

On leaves of the mountain ash, at the High Rocks.

On young shoots of the May bush Forster.

Urcdo.

Smut.) On wheat, barley, and oats, frequent, and very destructive.

men, and exceedingly fetid when erushed.

On Poa aquatica, &c., common.

On the leaves and sheaths of com and grasses, common.

(Rust.) On grasses and corn.

On the leaves of the blue bell, (Hyacinthus non scriptus) in the copse by the footpath between the Swiss Cottage and Fisher's Castle; Hurst Wood, &c.

On various species of Polygonum.

On Primula vulgaris.

On Euphrasia officinalis and Bartsia Odontites, common.

On Mentha hirsuta, &c.

On the leaves of Campanula rotundifolia.

On sowthistles, colt's foot, &c.

On Cnicus arvensis, common.

On various species of groundsel, common.

On the Chervil, (Chærophyllum temulentum,) &c.

On the leaves of the hogweed (Heracleum Sphondylium) in the Hurst Wood.

On Heraclcum Sphondylium.

On various species of Ranunculus.

On various Hyperica.

On the leaves and petioles of violets.



CRYPTOGAMIA .- FUNOI.

Genera and Species. Nat. Order. Time of Mat. English Name, Localities, and other remarks.

Caryophyllaeearum

Epilobii

Rosæ Autumn.

Ruborum Autumn. (Æe. Rubi, Sow, t. 398. f. l.)

Potentillarum

(U. Fragariæ, Sow. t. 398. f. 2.)

Leguminosarum

confluens

Spring.

Filieum

(U. aurea, Sow. t. 320. Fl. Ton. p. 190.)

candida

(U. Thlaspi, Sow. t. 340. Fl. Ton.p. 190.)

gyrosa Poterii

Euphorbiæ

eylindrica

Salieeti

Autumu.

On Stellaria, frequent.

On Epilobium hirsutum.

On rose leaves, very eommon.

On the leaves of brambles, very eonimon.

On Potentilla Fragariastrum, &c.

On various Leguminosæ, frequent.

On Mercurialis perennis, at Hamsell. Mr. W. W. Reeves.

On the leaves of tender ferns. Forster.

On the shepherd's purse (Capsella Bursa Pastoris.)

On raspberry leaves.

On Poterium sanguisorba.

On various species of spurge, especially on Euphorbia Peplus.

On the leaves of the bireh (Betula alba.)

On various willows, common.

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AND

THE CRYPTOGAMOUS ORDERS.

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^(*) In the few instances in which the scientific name is thus apppended in this Index, the English name has been omitted in its proper place.

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(Mentha Pulegium) Peartree, 50 Pellitory of the Wall, 16 Penny Cress, 66 Pennywort, or Navelwort, 46 Pepper Saxifrage, 30 Pepperwort, 66 Periwinkle, 24 Persicaria, 42 Petty Whin, 74 (*Genista Anglica*) Pheasantseye, 58 Pilewort, 58 (R. Ficaria)Pillwort, 112 Pimpernell, 20 Pink, 44 Plantain, 16 Ploughman's Spikenard, 86 (Inula Conyza) Plum, 48 Plume Thistle, 82 Polypody, 106 Pondweed, 18 Poor Man's Weatherglass, 20

(Anagallis arvensis) Poplar, 104 Poppy, 54 Primrose, 22 Privet, 2

Puffball, 240 Purple Loosestrife, 48 Purslane, 34

Quaking Grass, 10 Queen of the Meadows, or Snapdragon, 64 Meadowsweet, 50 Quickentree, or Moun-tain Ash, 50

Radish, 70 Ragwort, 86 (S. Jacobea) Ragged Robin, 46 Rampion, 24
Ramsons, 34
(Allium Ursinum)
Reed, 12
Reindeer Moss, 172 Raspberry, 52 (Rubus idæus) Restharrow, 74 Ribwort, 16 Rocket, 48 Rock Barr, 166 Rock Rose, 54 Rose, 50 Rough Spleenwort, 106 Rowautree, or Mountain Rush, 36 Rust, 250 Rye Grass, 14

Sage, 4 Saintfoin, 76 Sallad Burnet, 98
Sallow, or Willow, 100
Sandwort, 46
Sanicle, 28
Sansalone, 68 Saintele, 28
Saucealone, 68
Sawwort, 82
Saxifrage, 44
Scabious, 14
Scorpion Grass, 20
Scotch Fir, 100
Screw Moss, 122
Sedge, 94
Selfheal 64 Selfheal, 64 Servicetrec, 50
(Pyrus Torminalis)
Sheep's Bit, or Sheep's
Scabious, 24
Shepherdsneedle, 30
Shepherdspurse, 66
Shield Fern, 106

Traveller's Joy, 50
Treacle Mustard, 68
Trefoil, 76
Truelove, 42
Tunbridge Wclls
my Fern, 110
Turnep, 70
Turnep, 70
Turnephade, 90 Shield Fern, 106
Shioreweed, 96
Silverweed, 54
(Potentilla anserina)
Skullcap, 64
Sloe, 48
(Trunus spinosa)

Small Reed, 8 Smut, 250 Suakeweed, 40 Snowdrop, 34 Soapwort, 44 Soft Grass, 10 Sorrel, 36 Sowbread, 20 Sow Thistle, 80 Specdwell, 2 Spike Rush, 6 Spike Rush, b Spindletree, 24 Spleenwort, 108 Spurge, 92 Spurge Laurel, 40 Spurrey, 48 Squirrelstail Moss, 130 St. John's Wort, 78 Star of Bethlehem, 34 Starfruit 38 Starfruit, 38 Starry Puffball, 240 Stinkhorn, 232 Stitehwort, 44 Stonecrop, 46 Storksbill, 70 Strawberry, 52 Succory, 82 Sundew, 32 Sweet Briar, 50 Sweet Gale, 104 Swine's Cress, 66 Sycamore, 38
(Acer Pseudo platanus)

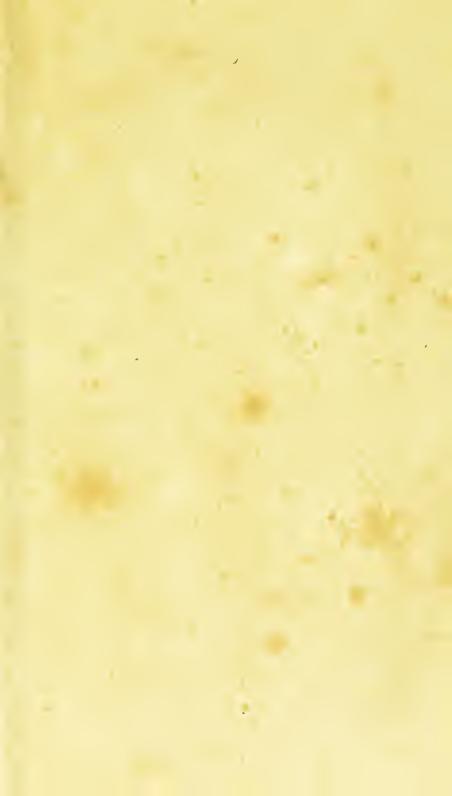
Tansey, 84 Tare, 76 Teasel, 14 Thale Cress, 68 (S. thalianum) Thistle, 82 Thread Moss, 126 Thyme, 60 Toadflax, 64 Toothwort, 64 Tormentil, 54 Traveller's Joy, 56 Fil-Twayblade, 90

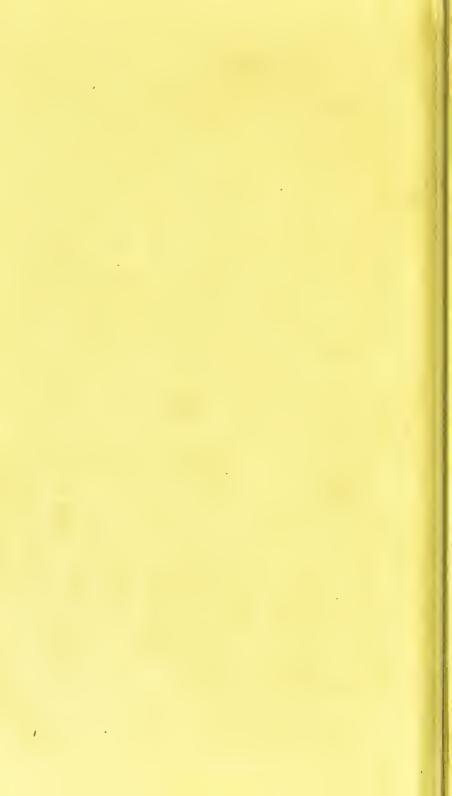
Valcrian, 4 Vernal Grass, 4 Vervain, 66 Vetch, 74

Vetchling, or Everlasting Pea, 74 Violet, 26 Viper's Bugloss, 18

Wake Robin, 98 Wall Flower, 68 Wall Pellitory, 16 Warteress, or Swine's Cress, 66 Water Blinks, 14 Water Blinks, 14
Water Cress, 68
Water Dropwort, 30
Water Hemlock, 30
Water Millefoil, 98
Water Moss, 130
Water Plantain, 38
Water Parsnep, 28
Water Purslane, 34
Water Starwort, 92
Water Violet, 22
Waterwort, 42 Waterwort, 42 Weaselsnout, 60 Wheat, or Wheat Grass, 14 Whin, or Furze, 72 Whitebeam, 50 (Pyrus Aria) White Horehound, 62 White Rot, 28 Whitethorn, or Hawthorn, 50 White Water Lily, 56 Whitlowgrass, 66
Whorl Grass, 8
Whortleberry, 40
Wild Basil, 64
Wild Chamomile, 86 Wild Mignonette, 48 Wild Succory, 82 Willow, 100 Willowherb, 40 Winter Cress, 68 Witch's Butter, 232 Woodbine, or Honeysuekle, 24 Woodruff, 16 Wood Rush, 36 Wood Sorrel, 46 Wormwood, 84 Woundwort, 62

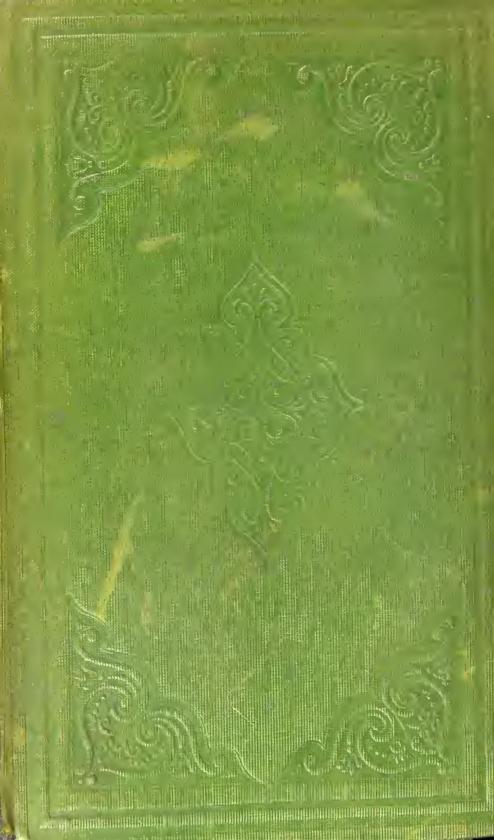
Yarrow, 88 Yellow Iris, or Flower de Luce, 6
Yellow Rattle, 64
Yellow Water Lily, 56
Yellowweed, 48
(Reseda Lut rola)
Yellowwort, 38
Yew, 106











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